

NAG Toolbox for MATLAB

d03fa

1 Purpose

d03fa solves the Helmholtz equation in Cartesian co-ordinates in three dimensions using the standard seven-point finite difference approximation. This function is designed to be particularly efficient on vector processors.

2 Syntax

```
[f, pertrb, ifail] = d03fa(xs, xf, l, lbdcnd, bdxs, bdxs, ys, yf, m,
mbdcnd, bdys, bdyf, zs, zf, n, nbdcnd, bdzs, bdzf, lambda, f)
```

3 Description

d03fa solves the three-dimensional Helmholtz equation in Cartesian co-ordinates:

$$\frac{\partial^2 u}{\partial x^2} + \frac{\partial^2 u}{\partial y^2} + \frac{\partial^2 u}{\partial z^2} + \lambda u = f(x, y, z).$$

This (sub)program forms the system of linear equations resulting from the standard seven-point finite difference equations, and then solves the system using a method based on the fast Fourier transform (FFT) described by Swarztrauber 1984. This (sub)program is based on the function HW3CRT from FISHPACK (see Swarztrauber and Sweet 1979).

More precisely, the function replaces all the second derivatives by second-order central difference approximations, resulting in a block tridiagonal system of linear equations. The equations are modified to allow for the prescribed boundary conditions. Either the solution or the derivative of the solution may be specified on any of the boundaries, or the solution may be specified to be periodic in any of the three dimensions. By taking the discrete Fourier transform in the x - and y -directions, the equations are reduced to sets of tridiagonal systems of equations. The Fourier transforms required are computed using the multiple FFT functions found in Chapter C06 of the NAG Fortran Library.

4 References

Swarztrauber P N 1984 Fast Poisson solvers *Studies in Numerical Analysis* (ed G H Golub) Mathematical Association of America

Swarztrauber P N and Sweet R A 1979 Efficient Fortran subprograms for the solution of separable elliptic partial differential equations *ACM Trans. Math. Software* **5** 352–364

5 Parameters

5.1 Compulsory Input Parameters

1: **xs** – double scalar

The lower bound of the range of x , i.e., $\mathbf{xs} \leq x \leq \mathbf{xf}$.

Constraint: $\mathbf{xs} < \mathbf{xf}$.

2: **xf** – double scalar

The upper bound of the range of x , i.e., $\mathbf{xs} \leq x \leq \mathbf{xf}$.

Constraint: $\mathbf{xs} < \mathbf{xf}$.

3: **l – int32 scalar**

The number of panels into which the interval (**xs**,**xf**) is subdivided. Hence, there will be **l** + 1 grid points in the x -direction given by $x_i = \mathbf{xs} + (i - 1) \times \delta x$, for $i = 1, 2, \dots, \mathbf{l} + 1$, where $\delta x = (\mathbf{xf} - \mathbf{xs})/\mathbf{l}$ is the panel width.

Constraint: $\mathbf{l} \geq 5$.

4: **lbdend – int32 scalar**

Indicates the type of boundary conditions at $x = \mathbf{xs}$ and $x = \mathbf{xf}$.

lbdend = 0

If the solution is periodic in x , i.e., $u(\mathbf{xs}, y, z) = u(\mathbf{xf}, y, z)$.

lbdend = 1

If the solution is specified at $x = \mathbf{xs}$ and $x = \mathbf{xf}$.

lbdend = 2

If the solution is specified at $x = \mathbf{xs}$ and the derivative of the solution with respect to x is specified at $x = \mathbf{xf}$.

lbdend = 3

If the derivative of the solution with respect to x is specified at $x = \mathbf{xs}$ and $x = \mathbf{xf}$.

lbdend = 4

If the derivative of the solution with respect to x is specified at $x = \mathbf{xs}$ and the solution is specified at $x = \mathbf{xf}$.

Constraint: $0 \leq \mathbf{lbdend} \leq 4$.

5: **bdxs(lbf2, n + 1) – double array**

lbf2, the first dimension of the array, must be at least **m** + 1.

The values of the derivative of the solution with respect to x at $x = \mathbf{xs}$. When **lbdend** = 3 or 4, $\mathbf{bdxs}(j, k) = u_x(\mathbf{xs}, y_j, z_k)$, for $j = 1, 2, \dots, \mathbf{m} + 1$ and $k = 1, 2, \dots, \mathbf{n} + 1$.

When **lbdend** has any other value, **bdxs** is not referenced.

6: **bdxf(lbf2, n + 1) – double array**

lbf2, the first dimension of the array, must be at least **m** + 1.

The values of the derivative of the solution with respect to x at $x = \mathbf{xf}$. When **lbdend** = 2 or 3, $\mathbf{bdxf}(j, k) = u_x(\mathbf{xf}, y_j, z_k)$, for $j = 1, 2, \dots, \mathbf{m} + 1$ and $k = 1, 2, \dots, \mathbf{n} + 1$.

When **lbdend** has any other value, **bdxf** is not referenced.

7: **ys – double scalar**

The lower bound of the range of y , i.e., $\mathbf{ys} \leq y \leq \mathbf{yf}$.

Constraint: $\mathbf{ys} < \mathbf{yf}$.

8: **yf – double scalar**

The upper bound of the range of y , i.e., $\mathbf{ys} \leq y \leq \mathbf{yf}$.

Constraint: $\mathbf{ys} < \mathbf{yf}$.

9: **m – int32 scalar**

The number of panels into which the interval $(\mathbf{ys}, \mathbf{yf})$ is subdivided. Hence, there will be $\mathbf{m} + 1$ grid points in the y -direction given by $y_j = \mathbf{ys} + (j - 1) \times \delta y$, for $j = 1, 2, \dots, \mathbf{m} + 1$, where $\delta y = (\mathbf{yf} - \mathbf{ys})/\mathbf{m}$ is the panel width.

Constraint: $\mathbf{m} \geq 5$.

10: **mbdcnd – int32 scalar**

Indicates the type of boundary conditions at $y = \mathbf{ys}$ and $y = \mathbf{yf}$.

mbdcnd = 0

If the solution is periodic in y , i.e., $u(x, \mathbf{yf}, z) = u(x, \mathbf{ys}, z)$.

mbdcnd = 1

If the solution is specified at $y = \mathbf{ys}$ and $y = \mathbf{yf}$.

mbdcnd = 2

If the solution is specified at $y = \mathbf{ys}$ and the derivative of the solution with respect to y is specified at $y = \mathbf{yf}$.

mbdcnd = 3

If the derivative of the solution with respect to y is specified at $y = \mathbf{ys}$ and $y = \mathbf{yf}$.

mbdcnd = 4

If the derivative of the solution with respect to y is specified at $y = \mathbf{ys}$ and the solution is specified at $y = \mathbf{yf}$.

Constraint: $0 \leq \mathbf{mbdcnd} \leq 4$.

11: **bdys(lf, n + 1) – double array**

lf, the first dimension of the array, must be at least $\mathbf{l} + 1$.

The values of the derivative of the solution with respect to y at $y = \mathbf{ys}$. When **mbdcnd** = 3 or 4, **bdys**(i, k) = $u_y(x_i, \mathbf{ys}, z_k)$, for $i = 1, 2, \dots, \mathbf{l} + 1$ and $k = 1, 2, \dots, \mathbf{n} + 1$.

When **mbdcnd** has any other value, **bdys** is not referenced.

12: **bdyf(lf, n + 1) – double array**

lf, the first dimension of the array, must be at least $\mathbf{l} + 1$.

The values of the derivative of the solution with respect to y at $y = \mathbf{yf}$. When **mbdcnd** = 2 or 3, **bdyf**(i, k) = $u_y(x_i, \mathbf{yf}, z_k)$, for $i = 1, 2, \dots, \mathbf{l} + 1$ and $k = 1, 2, \dots, \mathbf{n} + 1$.

When **mbdcnd** has any other value, **bdyf** is not referenced.

13: **zs – double scalar**

The lower bound of the range of z , i.e., $\mathbf{zs} \leq z \leq \mathbf{zf}$.

Constraint: $\mathbf{zs} < \mathbf{zf}$.

14: **zf – double scalar**

The upper bound of the range of z , i.e., $\mathbf{zs} \leq z \leq \mathbf{zf}$.

Constraint: $\mathbf{zs} < \mathbf{zf}$.

15: **n – int32 scalar**

The number of panels into which the interval (**zs**,**zf**) is subdivided. Hence, there will be **n** + 1 grid points in the *z*-direction given by $z_k = \mathbf{zs} + (k - 1) \times \delta z$, for $k = 1, 2, \dots, \mathbf{n} + 1$, where $\delta z = (\mathbf{zf} - \mathbf{zs})/\mathbf{n}$ is the panel width.

Constraint: $\mathbf{n} \geq 5$.

16: **nbdend – int32 scalar**

Specifies the type of boundary conditions at $z = \mathbf{zs}$ and $z = \mathbf{zf}$.

nbdend = 0

if the solution is periodic in *z*, i.e., $u(x, y, \mathbf{zf}) = u(x, y, \mathbf{zs})$.

nbdend = 1

if the solution is specified at $z = \mathbf{zs}$ and $z = \mathbf{zf}$.

nbdend = 2

if the solution is specified at $z = \mathbf{zs}$ and the derivative of the solution with respect to *z* is specified at $z = \mathbf{zf}$.

nbdend = 3

if the derivative of the solution with respect to *z* is specified at $z = \mathbf{zs}$ and $z = \mathbf{zf}$.

nbdend = 4

if the derivative of the solution with respect to *z* is specified at $z = \mathbf{zs}$ and the solution is specified at $z = \mathbf{zf}$.

Constraint: $0 \leq \mathbf{nbdend} \leq 4$.

17: **bdzs(ldf,m + 1) – double array**

ldf, the first dimension of the array, must be at least **l** + 1.

The values of the derivative of the solution with respect to *z* at $z = \mathbf{zs}$. When **nbdend** = 3 or 4, $\mathbf{bdzs}(i, j) = u_z(x_i, y_j, \mathbf{zs})$, for $i = 1, 2, \dots, \mathbf{l} + 1$ and $j = 1, 2, \dots, \mathbf{m} + 1$.

When **nbdend** has any other value, **bdzs** is not referenced.

18: **bdzf(ldf,m + 1) – double array**

ldf, the first dimension of the array, must be at least **l** + 1.

The values of the derivative of the solution with respect to *z* at $z = \mathbf{zf}$. When **nbdend** = 2 or 3, $\mathbf{bdzf}(i, j) = u_z(x_i, y_j, \mathbf{zf})$, for $i = 1, 2, \dots, \mathbf{l} + 1$ and $j = 1, 2, \dots, \mathbf{m} + 1$.

When **nbdend** has any other value, **bdzf** is not referenced.

19: **lambda – double scalar**

The constant λ in the Helmholtz equation. For certain positive values of λ a solution to the differential equation may not exist, and close to these values the solution of the discretized problem will be extremely ill-conditioned. If $\lambda > 0$, then d03fa will set **ifail** = 3, but will still attempt to find a solution. However, since in general the values of λ for which no solution exists cannot be predicted *a priori*, you are advised to treat any results computed with $\lambda > 0$ with great caution.

20: **f(ldf,ldf2,n + 1) – double array**

ldf, the first dimension of the array, must be at least **l** + 1.

The values of the right-side of the Helmholtz equation and boundary-values (if any).

$$\mathbf{f}(i, j, k) = f(x_i, y_j, z_k) \quad i = 2, 3, \dots, \mathbf{l}, j = 2, 3, \dots, \mathbf{m} \text{ and } k = 2, 3, \dots, \mathbf{n}.$$

On the boundaries $\mathbf{f}$ is defined by

lbdend	$\mathbf{f}(1, j, k)$	$\mathbf{f}(\mathbf{l} + 1, j, k)$	
0	$f(\mathbf{xs}, y_j, z_k)$	$f(\mathbf{xs}, y_j, z_k)$	
1	$u(\mathbf{xs}, y_j, z_k)$	$u(\mathbf{xf}, y_j, z_k)$	
2	$u(\mathbf{xs}, y_j, z_k)$	$f(\mathbf{xf}, y_j, z_k)$	$j = 1, 2, \dots, \mathbf{m} + 1$
3	$f(\mathbf{xs}, y_j, z_k)$	$f(\mathbf{xf}, y_j, z_k)$	$k = 1, 2, \dots, \mathbf{n} + 1$
4	$f(\mathbf{xs}, y_j, z_k)$	$u(\mathbf{xf}, y_j, z_k)$	
mbdend	$\mathbf{f}(i, 1, k)$	$\mathbf{f}(i, \mathbf{m} + 1, k)$	
0	$f(x_i, \mathbf{ys}, z_k)$	$f(x_i, \mathbf{ys}, z_k)$	
1	$u(x_i, \mathbf{ys}, z_k)$	$u(x_i, \mathbf{yf}, z_k)$	
2	$u(x_i, \mathbf{ys}, z_k)$	$f(x_i, \mathbf{yf}, z_k)$	$i = 1, 2, \dots, \mathbf{l} + 1$
3	$f(x_i, \mathbf{ys}, z_k)$	$f(x_i, \mathbf{yf}, z_k)$	$k = 1, 2, \dots, \mathbf{n} + 1$
4	$f(x_i, \mathbf{ys}, z_k)$	$u(x_i, \mathbf{yf}, z_k)$	
nbdend	$\mathbf{f}(i, j, 1)$	$\mathbf{f}(i, j, \mathbf{n} + 1)$	
0	$f(x_i, y_j, \mathbf{zs})$	$f(x_i, y_j, \mathbf{zs})$	
1	$u(x_i, y_j, \mathbf{zs})$	$u(x_i, y_j, \mathbf{zf})$	
2	$u(x_i, y_j, \mathbf{zs})$	$f(x_i, y_j, \mathbf{zf})$	$i = 1, 2, \dots, \mathbf{l} + 1$
3	$f(x_i, y_j, \mathbf{zs})$	$f(x_i, y_j, \mathbf{zf})$	$j = 1, 2, \dots, \mathbf{m} + 1$
4	$f(x_i, y_j, \mathbf{zs})$	$u(x_i, y_j, \mathbf{zf})$	

Note: if the table calls for both the solution u and the right-hand side f on a boundary, then the solution must be specified.

5.2 Optional Input Parameters

None.

5.3 Input Parameters Omitted from the MATLAB Interface

ldf, ldf2, w, lwrk

5.4 Output Parameters

1: **f(ldf,ldf2,n + 1) – double array**

Contains the solution $u(i, j, k)$ of the finite difference approximation for the grid point (x_i, y_j, z_k) , for $i = 1, 2, \dots, \mathbf{l} + 1$ and $j = 1, 2, \dots, \mathbf{m} + 1$ and $k = 1, 2, \dots, \mathbf{n} + 1$.

2: **pertrb – double scalar**

pertrb = 0, unless a solution to Poisson's equation ($\lambda = 0$) is required with a combination of periodic or derivative boundary conditions (**lbdend**, **mbdend** and **nbdend** = 0 or 3). In this case a solution may not exist. **pertrb** is a constant, calculated and subtracted from the array **f**, which ensures that a solution exists. d03fa then computes this solution, which is a least-squares solution to the original approximation. This solution is not unique and is unnormalized. The value of **pertrb** should be small compared to the right-hand side **f**, otherwise a solution has been obtained to an

essentially different problem. This comparison should always be made to insure that a meaningful solution has been obtained.

3: **ifail** – **int32 scalar**

0 unless the function detects an error (see Section 6).

6 Error Indicators and Warnings

Errors or warnings detected by the function:

ifail = 1

On entry, **xs** $\geq$ **xf**,
 or **l** $<$ 5,
 or **lbdend** $<$ 0,
 or **lbdend** $>$ 4,
 or **ys** $\geq$ **yf**,
 or **m** $<$ 5,
 or **mbdend** $<$ 0,
 or **mbdend** $>$ 4,
 or **zs** $\geq$ **zf**,
 or **n** $<$ 5,
 or **nbdend** $<$ 0,
 or **nbdend** $>$ 4,
 or **ldf** $<$ **l** + 1,
 or **ldf2** $<$ **m** + 1.

ifail = 2

On entry, **lwrk** is too small.

ifail = 3

On entry, $\lambda > 0$.

7 Accuracy

Not applicable.

8 Further Comments

The execution time is roughly proportional to $\mathbf{l} \times \mathbf{m} \times \mathbf{n} \times (\log_2 \mathbf{l} + \log_2 \mathbf{m} + 5)$, but also depends on input parameters **lbdend** and **mbdend**.

9 Example

```
xs = 0;
xf = 1;
l = int32(16);
m = int32(32);
n = int32(20);
lbdend = int32(1);
bdxs = zeros(33, 21);
bdxf = zeros(33, 21);
ys = 0;
yf = 2*pi;
mbdend = int32(0);
bdys = zeros(17, 21);
bdyf = zeros(17, 21);
```

```

zs = 0;
zf = pi/2;
nbdcnd = int32(2);
bdzs = zeros(17, 33);
bdzf = zeros(17, 33);
lambda = -2;
f = zeros(17, 33, 21);

x = zeros(l+1, 1);
y = zeros(m+1, 1);
z = zeros(n+1, 1);

% Define the grid points for later use.
dx = (xf-xs)/double(l);
for i = 1:l+1
    x(i) = xs + double(i-1)*dx;
end
dy = (yf-ys)/double(m);
for j = 1:m+1
    y(j) = ys + double(j-1)*dy;
end
dz = (zf-zs)/double(n);
for k = 1:n+1
    z(k) = zs + double(k-1)*dz;
end

% Define the array of derivative boundary values.
for j = 1:m+1
    for i = 1:l+1
        bdzf(i,j) = -x(i)^4*sin(y(j));
    end
end

% Note that for this example all other boundary arrays are
% dummy variables.
%
% We define the function boundary values in the f array.
for k = 1:n+1
    for j = 1:m+1
        f(l+1,j,k) = sin(y(j))*cos(z(k));
    end
end
for j = 1:m+1
    for i = 1:l+1
        f(i,j,1) = x(i)^4*sin(y(j));
    end
end

% Define the values of the right hand side of the Helmholtz
% equation.
for k = 2:n+1
    for j = 1:m+1
        for i = 2:l
            f(i,j,k) = 4*x(i)^2*(3-x(i)^2)*sin(y(j))*cos(z(k));
        end
    end
end

[fOut, pertrb, ifail] = ...
    d03fa(xs, xf, l, lbdcnd, bdxs, bdxs, ys, yf, m, mbdcnd, bdys, bdyf,
    ...
    zs, zf, n, nbdcnd, bdzs, bdzf, lambda, f)

fOut =
(:, :, 1) =
Columns 1 through 7
    0         0         0         0         0         0         0
    0    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
    0    0.0000    0.0001    0.0001    0.0002    0.0002    0.0002
    0    0.0002    0.0005    0.0007    0.0009    0.0010    0.0011

```

0	0.0008	0.0015	0.0022	0.0028	0.0032	0.0036
0	0.0019	0.0036	0.0053	0.0067	0.0079	0.0088
0	0.0039	0.0076	0.0110	0.0140	0.0164	0.0183
0	0.0071	0.0140	0.0204	0.0259	0.0305	0.0338
0	0.0122	0.0239	0.0347	0.0442	0.0520	0.0577
0	0.0195	0.0383	0.0556	0.0708	0.0832	0.0925
0	0.0298	0.0584	0.0848	0.1079	0.1269	0.1410
0	0.0436	0.0855	0.1241	0.1580	0.1858	0.2064
0	0.0617	0.1211	0.1758	0.2237	0.2631	0.2923
0	0.0850	0.1668	0.2421	0.3082	0.3624	0.4026
0	0.1144	0.2243	0.3257	0.4145	0.4874	0.5416
0	0.1507	0.2956	0.4292	0.5462	0.6423	0.7137
0	0.1951	0.3827	0.5556	0.7071	0.8315	0.9239
Columns 8 through 14						
0	0	0	0	0	0	0
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001
0.0012	0.0012	0.0012	0.0011	0.0010	0.0009	0.0007
0.0038	0.0039	0.0038	0.0036	0.0032	0.0028	0.0022
0.0094	0.0095	0.0094	0.0088	0.0079	0.0067	0.0053
0.0194	0.0198	0.0194	0.0183	0.0164	0.0140	0.0110
0.0359	0.0366	0.0359	0.0338	0.0305	0.0259	0.0204
0.0613	0.0625	0.0613	0.0577	0.0520	0.0442	0.0347
0.0982	0.1001	0.0982	0.0925	0.0832	0.0708	0.0556
0.1497	0.1526	0.1497	0.1410	0.1269	0.1079	0.0848
0.2191	0.2234	0.2191	0.2064	0.1858	0.1580	0.1241
0.3103	0.3164	0.3103	0.2923	0.2631	0.2237	0.1758
0.4274	0.4358	0.4274	0.4026	0.3624	0.3082	0.2421
0.5749	0.5862	0.5749	0.5416	0.4874	0.4145	0.3257
0.7576	0.7725	0.7576	0.7137	0.6423	0.5462	0.4292
0.9808	1.0000	0.9808	0.9239	0.8315	0.7071	0.5556
Columns 15 through 21						
0	0	0	0	0	0	0
0.0000	0.0000	0.0000	-0.0000	-0.0000	-0.0000	-0.0000
0.0001	0.0000	0.0000	-0.0000	-0.0001	-0.0001	-0.0002
0.0005	0.0002	0.0000	-0.0002	-0.0005	-0.0007	-0.0009
0.0015	0.0008	0.0000	-0.0008	-0.0015	-0.0022	-0.0028
0.0036	0.0019	0.0000	-0.0019	-0.0036	-0.0053	-0.0067
0.0076	0.0039	0.0000	-0.0039	-0.0076	-0.0110	-0.0140
0.0140	0.0071	0.0000	-0.0071	-0.0140	-0.0204	-0.0259
0.0239	0.0122	0.0000	-0.0122	-0.0239	-0.0347	-0.0442
0.0383	0.0195	0.0000	-0.0195	-0.0383	-0.0556	-0.0708
0.0584	0.0298	0.0000	-0.0298	-0.0584	-0.0848	-0.1079
0.0855	0.0436	0.0000	-0.0436	-0.0855	-0.1241	-0.1580
0.1211	0.0617	0.0000	-0.0617	-0.1211	-0.1758	-0.2237
0.1668	0.0850	0.0000	-0.0850	-0.1668	-0.2421	-0.3082
0.2243	0.1144	0.0000	-0.1144	-0.2243	-0.3257	-0.4145
0.2956	0.1507	0.0000	-0.1507	-0.2956	-0.4292	-0.5462
0.3827	0.1951	0.0000	-0.1951	-0.3827	-0.5556	-0.7071
Columns 22 through 28						
0	0	0	0	0	0	0
-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
-0.0010	-0.0011	-0.0012	-0.0012	-0.0012	-0.0011	-0.0010
-0.0032	-0.0036	-0.0038	-0.0039	-0.0038	-0.0036	-0.0032
-0.0079	-0.0088	-0.0094	-0.0095	-0.0094	-0.0088	-0.0079
-0.0164	-0.0183	-0.0194	-0.0198	-0.0194	-0.0183	-0.0164
-0.0305	-0.0338	-0.0359	-0.0366	-0.0359	-0.0338	-0.0305
-0.0520	-0.0577	-0.0613	-0.0625	-0.0613	-0.0577	-0.0520
-0.0832	-0.0925	-0.0982	-0.1001	-0.0982	-0.0925	-0.0832
-0.1269	-0.1410	-0.1497	-0.1526	-0.1497	-0.1410	-0.1269
-0.1858	-0.2064	-0.2191	-0.2234	-0.2191	-0.2064	-0.1858
-0.2631	-0.2923	-0.3103	-0.3164	-0.3103	-0.2923	-0.2631
-0.3624	-0.4026	-0.4274	-0.4358	-0.4274	-0.4026	-0.3624
-0.4874	-0.5416	-0.5749	-0.5862	-0.5749	-0.5416	-0.4874
-0.6423	-0.7137	-0.7576	-0.7725	-0.7576	-0.7137	-0.6423
-0.8315	-0.9239	-0.9808	-1.0000	-0.9808	-0.9239	-0.8315
Columns 29 through 33						
0	0	0	0	0	0	0
-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000

```

-0.0002  -0.0001  -0.0001  -0.0000  -0.0000
-0.0009  -0.0007  -0.0005  -0.0002  -0.0000
-0.0028  -0.0022  -0.0015  -0.0008  -0.0000
-0.0067  -0.0053  -0.0036  -0.0019  -0.0000
-0.0140  -0.0110  -0.0076  -0.0039  -0.0000
-0.0259  -0.0204  -0.0140  -0.0071  -0.0000
-0.0442  -0.0347  -0.0239  -0.0122  -0.0000
-0.0708  -0.0556  -0.0383  -0.0195  -0.0000
-0.1079  -0.0848  -0.0584  -0.0298  -0.0000
-0.1580  -0.1241  -0.0855  -0.0436  -0.0000
-0.2237  -0.1758  -0.1211  -0.0617  -0.0000
-0.3082  -0.2421  -0.1668  -0.0850  -0.0000
-0.4145  -0.3257  -0.2243  -0.1144  -0.0000
-0.5462  -0.4292  -0.2956  -0.1507  -0.0000
-0.7071  -0.5556  -0.3827  -0.1951  -0.0000
(:, : , 2) =
Columns 1 through 7
    0         0         0         0         0         0         0
    0.0000    0.0000    0.0000    0.0000    0.0000    0.0001    0.0001
    0.0000    0.0001    0.0001    0.0002    0.0002    0.0003    0.0003
    0.0000    0.0003    0.0005    0.0007    0.0010    0.0011    0.0012
   -0.0000    0.0008    0.0015    0.0022    0.0028    0.0033    0.0037
   -0.0000    0.0019    0.0037    0.0054    0.0068    0.0080    0.0089
   -0.0000    0.0039    0.0076    0.0110    0.0141    0.0165    0.0184
   -0.0000    0.0072    0.0140    0.0204    0.0259    0.0305    0.0339
   -0.0000    0.0122    0.0239    0.0347    0.0442    0.0519    0.0577
   -0.0000    0.0195    0.0383    0.0555    0.0707    0.0831    0.0924
   -0.0000    0.0297    0.0583    0.0846    0.1077    0.1266    0.1407
   -0.0000    0.0435    0.0853    0.1238    0.1576    0.1853    0.2059
   -0.0000    0.0616    0.1208    0.1753    0.2231    0.2624    0.2916
   -0.0000    0.0848    0.1663    0.2414    0.3073    0.3614    0.4015
   -0.0000    0.1140    0.2237    0.3247    0.4133    0.4860    0.5400
   -0.0000    0.1503    0.2947    0.4279    0.5446    0.6404    0.7115
    0         0.1945    0.3815    0.5539    0.7049    0.8289    0.9210
Columns 8 through 14
    0         0         0         0         0         0         0
    0.0001    0.0001    0.0001    0.0001    0.0001    0.0000    0.0000
    0.0003    0.0003    0.0003    0.0003    0.0003    0.0002    0.0002
    0.0013    0.0013    0.0013    0.0012    0.0011    0.0010    0.0007
    0.0040    0.0040    0.0040    0.0037    0.0033    0.0028    0.0022
    0.0095    0.0097    0.0095    0.0089    0.0080    0.0068    0.0054
    0.0195    0.0199    0.0195    0.0184    0.0165    0.0141    0.0110
    0.0360    0.0367    0.0360    0.0339    0.0305    0.0259    0.0204
    0.0613    0.0625    0.0613    0.0577    0.0519    0.0442    0.0347
    0.0981    0.1000    0.0981    0.0924    0.0831    0.0707    0.0555
    0.1494    0.1523    0.1494    0.1407    0.1266    0.1077    0.0846
    0.2186    0.2229    0.2186    0.2059    0.1853    0.1576    0.1238
    0.3095    0.3156    0.3095    0.2916    0.2624    0.2231    0.1753
    0.4262    0.4346    0.4262    0.4015    0.3614    0.3073    0.2414
    0.5732    0.5845    0.5732    0.5400    0.4860    0.4133    0.3247
    0.7554    0.7702    0.7554    0.7115    0.6404    0.5446    0.4279
    0.9778    0.9969    0.9778    0.9210    0.8289    0.7049    0.5539
Columns 15 through 21
    0         0         0         0         0         0         0
    0.0000    0.0000   -0.0000   -0.0000   -0.0000   -0.0000   -0.0000
    0.0001    0.0001   -0.0000   -0.0001   -0.0001   -0.0002   -0.0002
    0.0005    0.0003   -0.0000   -0.0003   -0.0005   -0.0007   -0.0010
    0.0015    0.0008    0.0000   -0.0008   -0.0015   -0.0022   -0.0028
    0.0037    0.0019    0.0000   -0.0019   -0.0037   -0.0054   -0.0068
    0.0076    0.0039    0.0000   -0.0039   -0.0076   -0.0110   -0.0141
    0.0140    0.0072    0.0000   -0.0072   -0.0140   -0.0204   -0.0259
    0.0239    0.0122    0.0000   -0.0122   -0.0239   -0.0347   -0.0442
    0.0383    0.0195    0.0000   -0.0195   -0.0383   -0.0555   -0.0707
    0.0583    0.0297    0.0000   -0.0297   -0.0583   -0.0846   -0.1077
    0.0853    0.0435    0.0000   -0.0435   -0.0853   -0.1238   -0.1576
    0.1208    0.0616    0.0000   -0.0616   -0.1208   -0.1753   -0.2231
    0.1663    0.0848    0.0000   -0.0848   -0.1663   -0.2414   -0.3073
    0.2237    0.1140    0.0000   -0.1140   -0.2237   -0.3247   -0.4133
    0.2947    0.1503    0.0000   -0.1503   -0.2947   -0.4279   -0.5446
    0.3815    0.1945    0.0000   -0.1945   -0.3815   -0.5539   -0.7049

```

```

Columns 22 through 28
      0      0      0      0      0      0      0
-0.0001 -0.0001 -0.0001 -0.0001 -0.0001 -0.0001 -0.0001
-0.0003 -0.0003 -0.0003 -0.0003 -0.0003 -0.0003 -0.0003
-0.0011 -0.0012 -0.0013 -0.0013 -0.0013 -0.0012 -0.0011
-0.0033 -0.0037 -0.0040 -0.0040 -0.0040 -0.0037 -0.0033
-0.0080 -0.0089 -0.0095 -0.0097 -0.0095 -0.0089 -0.0080
-0.0165 -0.0184 -0.0195 -0.0199 -0.0195 -0.0184 -0.0165
-0.0305 -0.0339 -0.0360 -0.0367 -0.0360 -0.0339 -0.0305
-0.0519 -0.0577 -0.0613 -0.0625 -0.0613 -0.0577 -0.0519
-0.0831 -0.0924 -0.0981 -0.1000 -0.0981 -0.0924 -0.0831
-0.1266 -0.1407 -0.1494 -0.1523 -0.1494 -0.1407 -0.1266
-0.1853 -0.2059 -0.2186 -0.2229 -0.2186 -0.2059 -0.1853
-0.2624 -0.2916 -0.3095 -0.3156 -0.3095 -0.2916 -0.2624
-0.3614 -0.4015 -0.4262 -0.4346 -0.4262 -0.4015 -0.3614
-0.4860 -0.5400 -0.5732 -0.5845 -0.5732 -0.5400 -0.4860
-0.6404 -0.7115 -0.7554 -0.7702 -0.7554 -0.7115 -0.6404
-0.8289 -0.9210 -0.9778 -0.9969 -0.9778 -0.9210 -0.8289
Columns 29 through 33
      0      0      0      0      0
-0.0000 -0.0000 -0.0000 -0.0000 0.0000
-0.0002 -0.0002 -0.0001 -0.0001 0.0000
-0.0010 -0.0007 -0.0005 -0.0003 0.0000
-0.0028 -0.0022 -0.0015 -0.0008 -0.0000
-0.0068 -0.0054 -0.0037 -0.0019 -0.0000
-0.0141 -0.0110 -0.0076 -0.0039 -0.0000
-0.0259 -0.0204 -0.0140 -0.0072 -0.0000
-0.0442 -0.0347 -0.0239 -0.0122 -0.0000
-0.0707 -0.0555 -0.0383 -0.0195 -0.0000
-0.1077 -0.0846 -0.0583 -0.0297 -0.0000
-0.1576 -0.1238 -0.0853 -0.0435 -0.0000
-0.2231 -0.1753 -0.1208 -0.0616 -0.0000
-0.3073 -0.2414 -0.1663 -0.0848 -0.0000
-0.4133 -0.3247 -0.2237 -0.1140 -0.0000
-0.5446 -0.4279 -0.2947 -0.1503 -0.0000
-0.7049 -0.5539 -0.3815 -0.1945 -0.0000
(:, : , 3) =
Columns 1 through 7
      0      0      0      0      0      0      0
0.0000 0.0000 0.0000 0.0001 0.0001 0.0001 0.0001
0.0000 0.0001 0.0001 0.0002 0.0003 0.0003 0.0004
-0.0000 0.0003 0.0005 0.0008 0.0010 0.0012 0.0013
-0.0000 0.0008 0.0016 0.0023 0.0029 0.0034 0.0038
-0.0000 0.0019 0.0037 0.0054 0.0068 0.0080 0.0089
-0.0000 0.0039 0.0076 0.0110 0.0140 0.0165 0.0183
-0.0000 0.0071 0.0140 0.0203 0.0258 0.0303 0.0337
-0.0000 0.0121 0.0237 0.0345 0.0439 0.0516 0.0573
-0.0000 0.0193 0.0380 0.0551 0.0701 0.0825 0.0916
-0.0000 0.0295 0.0578 0.0839 0.1068 0.1255 0.1395
-0.0000 0.0431 0.0845 0.1227 0.1562 0.1837 0.2041
-0.0000 0.0610 0.1197 0.1738 0.2212 0.2601 0.2890
-0.0000 0.0840 0.1648 0.2393 0.3045 0.3581 0.3979
-0.0000 0.1130 0.2216 0.3218 0.4095 0.4815 0.5351
-0.0000 0.1489 0.2920 0.4239 0.5396 0.6345 0.7050
      0      0.1927 0.3780 0.5487 0.6984 0.8212 0.9125
Columns 8 through 14
      0      0      0      0      0      0      0
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001
0.0004 0.0004 0.0004 0.0004 0.0003 0.0003 0.0002
0.0014 0.0014 0.0014 0.0013 0.0012 0.0010 0.0008
0.0040 0.0041 0.0040 0.0038 0.0034 0.0029 0.0023
0.0095 0.0097 0.0095 0.0089 0.0080 0.0068 0.0054
0.0194 0.0198 0.0194 0.0183 0.0165 0.0140 0.0110
0.0358 0.0365 0.0358 0.0337 0.0303 0.0258 0.0203
0.0608 0.0620 0.0608 0.0573 0.0516 0.0439 0.0345
0.0973 0.0992 0.0973 0.0916 0.0825 0.0701 0.0551
0.1481 0.1510 0.1481 0.1395 0.1255 0.1068 0.0839
0.2167 0.2209 0.2167 0.2041 0.1837 0.1562 0.1227
0.3068 0.3128 0.3068 0.2890 0.2601 0.2212 0.1738
0.4224 0.4307 0.4224 0.3979 0.3581 0.3045 0.2393

```

0.5680	0.5791	0.5680	0.5351	0.4815	0.4095	0.3218
0.7484	0.7631	0.7484	0.7050	0.6345	0.5396	0.4239
0.9687	0.9877	0.9687	0.9125	0.8212	0.6984	0.5487
Columns 15 through 21						
0	0	0	0	0	0	0
0.0000	0.0000	-0.0000	-0.0000	-0.0000	-0.0001	-0.0001
0.0001	0.0001	0.0000	-0.0001	-0.0001	-0.0002	-0.0003
0.0005	0.0003	0.0000	-0.0003	-0.0005	-0.0008	-0.0010
0.0016	0.0008	0.0000	-0.0008	-0.0016	-0.0023	-0.0029
0.0037	0.0019	0.0000	-0.0019	-0.0037	-0.0054	-0.0068
0.0076	0.0039	0.0000	-0.0039	-0.0076	-0.0110	-0.0140
0.0140	0.0071	0.0000	-0.0071	-0.0140	-0.0203	-0.0258
0.0237	0.0121	0.0000	-0.0121	-0.0237	-0.0345	-0.0439
0.0380	0.0193	0.0000	-0.0193	-0.0380	-0.0551	-0.0701
0.0578	0.0295	0.0000	-0.0295	-0.0578	-0.0839	-0.1068
0.0845	0.0431	0.0000	-0.0431	-0.0845	-0.1227	-0.1562
0.1197	0.0610	0.0000	-0.0610	-0.1197	-0.1738	-0.2212
0.1648	0.0840	0.0000	-0.0840	-0.1648	-0.2393	-0.3045
0.2216	0.1130	0.0000	-0.1130	-0.2216	-0.3218	-0.4095
0.2920	0.1489	0.0000	-0.1489	-0.2920	-0.4239	-0.5396
0.3780	0.1927	0.0000	-0.1927	-0.3780	-0.5487	-0.6984
Columns 22 through 28						
0	0	0	0	0	0	0
-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001
-0.0003	-0.0004	-0.0004	-0.0004	-0.0004	-0.0004	-0.0003
-0.0012	-0.0013	-0.0014	-0.0014	-0.0014	-0.0013	-0.0012
-0.0034	-0.0038	-0.0040	-0.0041	-0.0040	-0.0038	-0.0034
-0.0080	-0.0089	-0.0095	-0.0097	-0.0095	-0.0089	-0.0080
-0.0165	-0.0183	-0.0194	-0.0198	-0.0194	-0.0183	-0.0165
-0.0303	-0.0337	-0.0358	-0.0365	-0.0358	-0.0337	-0.0303
-0.0516	-0.0573	-0.0608	-0.0620	-0.0608	-0.0573	-0.0516
-0.0825	-0.0916	-0.0973	-0.0992	-0.0973	-0.0916	-0.0825
-0.1255	-0.1395	-0.1481	-0.1510	-0.1481	-0.1395	-0.1255
-0.1837	-0.2041	-0.2167	-0.2209	-0.2167	-0.2041	-0.1837
-0.2601	-0.2890	-0.3068	-0.3128	-0.3068	-0.2890	-0.2601
-0.3581	-0.3979	-0.4224	-0.4307	-0.4224	-0.3979	-0.3581
-0.4815	-0.5351	-0.5680	-0.5791	-0.5680	-0.5351	-0.4815
-0.6345	-0.7050	-0.7484	-0.7631	-0.7484	-0.7050	-0.6345
-0.8212	-0.9125	-0.9687	-0.9877	-0.9687	-0.9125	-0.8212
Columns 29 through 33						
0	0	0	0	0		
-0.0001	-0.0001	-0.0000	-0.0000	0.0000		
-0.0003	-0.0002	-0.0001	-0.0001	0.0000		
-0.0010	-0.0008	-0.0005	-0.0003	-0.0000		
-0.0029	-0.0023	-0.0016	-0.0008	-0.0000		
-0.0068	-0.0054	-0.0037	-0.0019	-0.0000		
-0.0140	-0.0110	-0.0076	-0.0039	-0.0000		
-0.0258	-0.0203	-0.0140	-0.0071	-0.0000		
-0.0439	-0.0345	-0.0237	-0.0121	-0.0000		
-0.0701	-0.0551	-0.0380	-0.0193	-0.0000		
-0.1068	-0.0839	-0.0578	-0.0295	-0.0000		
-0.1562	-0.1227	-0.0845	-0.0431	-0.0000		
-0.2212	-0.1738	-0.1197	-0.0610	-0.0000		
-0.3045	-0.2393	-0.1648	-0.0840	-0.0000		
-0.4095	-0.3218	-0.2216	-0.1130	-0.0000		
-0.5396	-0.4239	-0.2920	-0.1489	-0.0000		
-0.6984	-0.5487	-0.3780	-0.1927	-0.0000		
(:, : , 4) =						
Columns 1 through 7						
0	0	0	0	0	0	0
-0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001
-0.0000	0.0001	0.0002	0.0002	0.0003	0.0004	0.0004
-0.0000	0.0003	0.0006	0.0008	0.0010	0.0012	0.0013
-0.0000	0.0008	0.0016	0.0023	0.0029	0.0034	0.0038
-0.0000	0.0019	0.0037	0.0053	0.0068	0.0080	0.0089
-0.0000	0.0038	0.0075	0.0109	0.0139	0.0163	0.0181
-0.0000	0.0070	0.0138	0.0200	0.0255	0.0299	0.0333
-0.0000	0.0119	0.0234	0.0340	0.0432	0.0509	0.0565
-0.0000	0.0191	0.0374	0.0543	0.0691	0.0813	0.0903
-0.0000	0.0290	0.0569	0.0826	0.1052	0.1237	0.1374

-0.0000	0.0424	0.0833	0.1209	0.1539	0.1809	0.2010
-0.0000	0.0601	0.1179	0.1711	0.2178	0.2561	0.2845
-0.0000	0.0827	0.1623	0.2356	0.2998	0.3526	0.3918
-0.0000	0.1112	0.2182	0.3168	0.4032	0.4741	0.5268
-0.0000	0.1466	0.2875	0.4174	0.5312	0.6246	0.6941
0	0.1897	0.3721	0.5402	0.6876	0.8085	0.8984
Columns 8 through 14						
0	0	0	0	0	0	0
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
0.0004	0.0004	0.0004	0.0004	0.0004	0.0003	0.0002
0.0014	0.0015	0.0014	0.0013	0.0012	0.0010	0.0008
0.0040	0.0041	0.0040	0.0038	0.0034	0.0029	0.0023
0.0094	0.0096	0.0094	0.0089	0.0080	0.0068	0.0053
0.0192	0.0196	0.0192	0.0181	0.0163	0.0139	0.0109
0.0353	0.0360	0.0353	0.0333	0.0299	0.0255	0.0200
0.0600	0.0612	0.0600	0.0565	0.0509	0.0432	0.0340
0.0959	0.0977	0.0959	0.0903	0.0813	0.0691	0.0543
0.1459	0.1487	0.1459	0.1374	0.1237	0.1052	0.0826
0.2134	0.2176	0.2134	0.2010	0.1809	0.1539	0.1209
0.3021	0.3080	0.3021	0.2845	0.2561	0.2178	0.1711
0.4159	0.4240	0.4159	0.3918	0.3526	0.2998	0.2356
0.5592	0.5702	0.5592	0.5268	0.4741	0.4032	0.3168
0.7368	0.7513	0.7368	0.6941	0.6246	0.5312	0.4174
0.9537	0.9724	0.9537	0.8984	0.8085	0.6876	0.5402
Columns 15 through 21						
0	0	0	0	0	0	0
0.0000	0.0000	-0.0000	-0.0000	-0.0000	-0.0001	-0.0001
0.0002	0.0001	0.0000	-0.0001	-0.0002	-0.0002	-0.0003
0.0006	0.0003	0.0000	-0.0003	-0.0006	-0.0008	-0.0010
0.0016	0.0008	0.0000	-0.0008	-0.0016	-0.0023	-0.0029
0.0037	0.0019	0.0000	-0.0019	-0.0037	-0.0053	-0.0068
0.0075	0.0038	0.0000	-0.0038	-0.0075	-0.0109	-0.0139
0.0138	0.0070	0.0000	-0.0070	-0.0138	-0.0200	-0.0255
0.0234	0.0119	0.0000	-0.0119	-0.0234	-0.0340	-0.0432
0.0374	0.0191	0.0000	-0.0191	-0.0374	-0.0543	-0.0691
0.0569	0.0290	0.0000	-0.0290	-0.0569	-0.0826	-0.1052
0.0833	0.0424	0.0000	-0.0424	-0.0833	-0.1209	-0.1539
0.1179	0.0601	0.0000	-0.0601	-0.1179	-0.1711	-0.2178
0.1623	0.0827	0.0000	-0.0827	-0.1623	-0.2356	-0.2998
0.2182	0.1112	0.0000	-0.1112	-0.2182	-0.3168	-0.4032
0.2875	0.1466	0.0000	-0.1466	-0.2875	-0.4174	-0.5312
0.3721	0.1897	0.0000	-0.1897	-0.3721	-0.5402	-0.6876
Columns 22 through 28						
0	0	0	0	0	0	0
-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001
-0.0004	-0.0004	-0.0004	-0.0004	-0.0004	-0.0004	-0.0004
-0.0012	-0.0013	-0.0014	-0.0015	-0.0014	-0.0013	-0.0012
-0.0034	-0.0038	-0.0040	-0.0041	-0.0040	-0.0038	-0.0034
-0.0080	-0.0089	-0.0094	-0.0096	-0.0094	-0.0089	-0.0080
-0.0163	-0.0181	-0.0192	-0.0196	-0.0192	-0.0181	-0.0163
-0.0299	-0.0333	-0.0353	-0.0360	-0.0353	-0.0333	-0.0299
-0.0509	-0.0565	-0.0600	-0.0612	-0.0600	-0.0565	-0.0509
-0.0813	-0.0903	-0.0959	-0.0977	-0.0959	-0.0903	-0.0813
-0.1237	-0.1374	-0.1459	-0.1487	-0.1459	-0.1374	-0.1237
-0.1809	-0.2010	-0.2134	-0.2176	-0.2134	-0.2010	-0.1809
-0.2561	-0.2845	-0.3021	-0.3080	-0.3021	-0.2845	-0.2561
-0.3526	-0.3918	-0.4159	-0.4240	-0.4159	-0.3918	-0.3526
-0.4741	-0.5268	-0.5592	-0.5702	-0.5592	-0.5268	-0.4741
-0.6246	-0.6941	-0.7368	-0.7513	-0.7368	-0.6941	-0.6246
-0.8085	-0.8984	-0.9537	-0.9724	-0.9537	-0.8984	-0.8085
Columns 29 through 33						
0	0	0	0	0	0	0
-0.0001	-0.0001	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
-0.0003	-0.0002	-0.0002	-0.0001	-0.0000	-0.0000	-0.0000
-0.0010	-0.0008	-0.0006	-0.0003	-0.0000	-0.0000	-0.0000
-0.0029	-0.0023	-0.0016	-0.0008	-0.0000	-0.0000	-0.0000
-0.0068	-0.0053	-0.0037	-0.0019	-0.0000	-0.0000	-0.0000
-0.0139	-0.0109	-0.0075	-0.0038	-0.0000	-0.0000	-0.0000
-0.0255	-0.0200	-0.0138	-0.0070	-0.0000	-0.0000	-0.0000
-0.0432	-0.0340	-0.0234	-0.0119	-0.0000	-0.0000	-0.0000

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-0.0691  -0.0543  -0.0374  -0.0191  -0.0000
-0.1052  -0.0826  -0.0569  -0.0290  -0.0000
-0.1539  -0.1209  -0.0833  -0.0424  -0.0000
-0.2178  -0.1711  -0.1179  -0.0601  -0.0000
-0.2998  -0.2356  -0.1623  -0.0827  -0.0000
-0.4032  -0.3168  -0.2182  -0.1112  -0.0000
-0.5312  -0.4174  -0.2875  -0.1466  -0.0000
-0.6876  -0.5402  -0.3721  -0.1897  -0.0000
(:, : , 5) =
Columns 1 through 7
    0          0          0          0          0          0          0
-0.0000    0.0000    0.0001    0.0001    0.0001    0.0001    0.0001
-0.0000    0.0001    0.0002    0.0002    0.0003    0.0004    0.0004
-0.0000    0.0003    0.0006    0.0008    0.0010    0.0012    0.0014
-0.0000    0.0008    0.0016    0.0023    0.0029    0.0034    0.0038
-0.0000    0.0018    0.0036    0.0053    0.0067    0.0079    0.0087
-0.0000    0.0038    0.0074    0.0107    0.0136    0.0160    0.0178
-0.0000    0.0069    0.0135    0.0196    0.0249    0.0293    0.0326
-0.0000    0.0117    0.0229    0.0333    0.0423    0.0498    0.0553
-0.0000    0.0187    0.0366    0.0531    0.0676    0.0795    0.0884
-0.0000    0.0284    0.0557    0.0809    0.1029    0.1210    0.1345
-0.0000    0.0415    0.0815    0.1183    0.1505    0.1770    0.1967
-0.0000    0.0588    0.1153    0.1674    0.2130    0.2505    0.2784
-0.0000    0.0809    0.1587    0.2304    0.2933    0.3449    0.3832
-0.0000    0.1088    0.2134    0.3099    0.3944    0.4637    0.5153
-0.0000    0.1434    0.2812    0.4082    0.5196    0.6110    0.6789
    0    0.1855    0.3640    0.5284    0.6725    0.7908    0.8787
Columns 8 through 14
    0          0          0          0          0          0          0
 0.0001    0.0001    0.0001    0.0001    0.0001    0.0001    0.0001
 0.0004    0.0004    0.0004    0.0004    0.0004    0.0003    0.0002
 0.0014    0.0015    0.0014    0.0014    0.0012    0.0010    0.0008
 0.0040    0.0041    0.0040    0.0038    0.0034    0.0029    0.0023
 0.0093    0.0095    0.0093    0.0087    0.0079    0.0067    0.0053
 0.0189    0.0192    0.0189    0.0178    0.0160    0.0136    0.0107
 0.0346    0.0353    0.0346    0.0326    0.0293    0.0249    0.0196
 0.0587    0.0599    0.0587    0.0553    0.0498    0.0423    0.0333
 0.0938    0.0957    0.0938    0.0884    0.0795    0.0676    0.0531
 0.1428    0.1456    0.1428    0.1345    0.1210    0.1029    0.0809
 0.2088    0.2129    0.2088    0.1967    0.1770    0.1505    0.1183
 0.2955    0.3013    0.2955    0.2784    0.2505    0.2130    0.1674
 0.4068    0.4148    0.4068    0.3832    0.3449    0.2933    0.2304
 0.5470    0.5577    0.5470    0.5153    0.4637    0.3944    0.3099
 0.7207    0.7348    0.7207    0.6789    0.6110    0.5196    0.4082
 0.9328    0.9511    0.9328    0.8787    0.7908    0.6725    0.5284
Columns 15 through 21
    0          0          0          0          0          0          0
 0.0001    0.0000   -0.0000   -0.0000   -0.0001   -0.0001   -0.0001
 0.0002    0.0001   -0.0000   -0.0001   -0.0002   -0.0002   -0.0003
 0.0006    0.0003    0.0000   -0.0003   -0.0006   -0.0008   -0.0010
 0.0016    0.0008    0.0000   -0.0008   -0.0016   -0.0023   -0.0029
 0.0036    0.0018    0.0000   -0.0018   -0.0036   -0.0053   -0.0067
 0.0074    0.0038    0.0000   -0.0038   -0.0074   -0.0107   -0.0136
 0.0135    0.0069    0.0000   -0.0069   -0.0135   -0.0196   -0.0249
 0.0229    0.0117    0.0000   -0.0117   -0.0229   -0.0333   -0.0423
 0.0366    0.0187    0.0000   -0.0187   -0.0366   -0.0531   -0.0676
 0.0557    0.0284    0.0000   -0.0284   -0.0557   -0.0809   -0.1029
 0.0815    0.0415    0.0000   -0.0415   -0.0815   -0.1183   -0.1505
 0.1153    0.0588    0.0000   -0.0588   -0.1153   -0.1674   -0.2130
 0.1587    0.0809    0.0000   -0.0809   -0.1587   -0.2304   -0.2933
 0.2134    0.1088    0.0000   -0.1088   -0.2134   -0.3099   -0.3944
 0.2812    0.1434    0.0000   -0.1434   -0.2812   -0.4082   -0.5196
 0.3640    0.1855    0.0000   -0.1855   -0.3640   -0.5284   -0.6725
Columns 22 through 28
    0          0          0          0          0          0          0
-0.0001   -0.0001   -0.0001   -0.0001   -0.0001   -0.0001   -0.0001
-0.0004   -0.0004   -0.0004   -0.0004   -0.0004   -0.0004   -0.0004
-0.0012   -0.0014   -0.0014   -0.0015   -0.0014   -0.0014   -0.0012
-0.0034   -0.0038   -0.0040   -0.0041   -0.0040   -0.0038   -0.0034
-0.0079   -0.0087   -0.0093   -0.0095   -0.0093   -0.0087   -0.0079

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-0.0160 -0.0178 -0.0189 -0.0192 -0.0189 -0.0178 -0.0160
-0.0293 -0.0326 -0.0346 -0.0353 -0.0346 -0.0326 -0.0293
-0.0498 -0.0553 -0.0587 -0.0599 -0.0587 -0.0553 -0.0498
-0.0795 -0.0884 -0.0938 -0.0957 -0.0938 -0.0884 -0.0795
-0.1210 -0.1345 -0.1428 -0.1456 -0.1428 -0.1345 -0.1210
-0.1770 -0.1967 -0.2088 -0.2129 -0.2088 -0.1967 -0.1770
-0.2505 -0.2784 -0.2955 -0.3013 -0.2955 -0.2784 -0.2505
-0.3449 -0.3832 -0.4068 -0.4148 -0.4068 -0.3832 -0.3449
-0.4637 -0.5153 -0.5470 -0.5577 -0.5470 -0.5153 -0.4637
-0.6110 -0.6789 -0.7207 -0.7348 -0.7207 -0.6789 -0.6110
-0.7908 -0.8787 -0.9328 -0.9511 -0.9328 -0.8787 -0.7908
Columns 29 through 33
      0      0      0      0      0
-0.0001 -0.0001 -0.0001 -0.0000 -0.0000
-0.0003 -0.0002 -0.0002 -0.0001 -0.0000
-0.0010 -0.0008 -0.0006 -0.0003 -0.0000
-0.0029 -0.0023 -0.0016 -0.0008 -0.0000
-0.0067 -0.0053 -0.0036 -0.0018 -0.0000
-0.0136 -0.0107 -0.0074 -0.0038 -0.0000
-0.0249 -0.0196 -0.0135 -0.0069 -0.0000
-0.0423 -0.0333 -0.0229 -0.0117 -0.0000
-0.0676 -0.0531 -0.0366 -0.0187 -0.0000
-0.1029 -0.0809 -0.0557 -0.0284 -0.0000
-0.1505 -0.1183 -0.0815 -0.0415 -0.0000
-0.2130 -0.1674 -0.1153 -0.0588 -0.0000
-0.2933 -0.2304 -0.1587 -0.0809 -0.0000
-0.3944 -0.3099 -0.2134 -0.1088 -0.0000
-0.5196 -0.4082 -0.2812 -0.1434 -0.0000
-0.6725 -0.5284 -0.3640 -0.1855 -0.0000
(:, :, 6) =
Columns 1 through 7
      0      0      0      0      0      0      0
  0.0000  0.0000  0.0001  0.0001  0.0001  0.0001  0.0001
-0.0000  0.0001  0.0002  0.0003  0.0003  0.0004  0.0004
-0.0000  0.0003  0.0006  0.0008  0.0010  0.0012  0.0013
-0.0000  0.0008  0.0015  0.0022  0.0028  0.0033  0.0037
-0.0000  0.0018  0.0035  0.0051  0.0065  0.0077  0.0085
-0.0000  0.0037  0.0072  0.0104  0.0132  0.0156  0.0173
-0.0000  0.0067  0.0131  0.0191  0.0243  0.0285  0.0317
-0.0000  0.0114  0.0223  0.0324  0.0412  0.0484  0.0538
-0.0000  0.0181  0.0356  0.0517  0.0657  0.0773  0.0859
-0.0000  0.0276  0.0541  0.0786  0.1000  0.1176  0.1307
-0.0000  0.0404  0.0792  0.1149  0.1463  0.1720  0.1911
-0.0000  0.0571  0.1120  0.1626  0.2070  0.2434  0.2704
-0.0000  0.0786  0.1542  0.2239  0.2849  0.3351  0.3723
-0.0000  0.1057  0.2073  0.3010  0.3831  0.4505  0.5006
-0.0000  0.1393  0.2732  0.3966  0.5047  0.5935  0.6595
      0      0.1802  0.3536  0.5133  0.6533  0.7682  0.8536
Columns 8 through 14
      0      0      0      0      0      0      0
  0.0001  0.0001  0.0001  0.0001  0.0001  0.0001  0.0001
  0.0004  0.0005  0.0004  0.0004  0.0004  0.0003  0.0003
  0.0014  0.0015  0.0014  0.0013  0.0012  0.0010  0.0008
  0.0039  0.0040  0.0039  0.0037  0.0033  0.0028  0.0022
  0.0091  0.0092  0.0091  0.0085  0.0077  0.0065  0.0051
  0.0184  0.0187  0.0184  0.0173  0.0156  0.0132  0.0104
  0.0337  0.0343  0.0337  0.0317  0.0285  0.0243  0.0191
  0.0571  0.0582  0.0571  0.0538  0.0484  0.0412  0.0324
  0.0912  0.0930  0.0912  0.0859  0.0773  0.0657  0.0517
  0.1387  0.1414  0.1387  0.1307  0.1176  0.1000  0.0786
  0.2029  0.2068  0.2029  0.1911  0.1720  0.1463  0.1149
  0.2871  0.2927  0.2871  0.2704  0.2434  0.2070  0.1626
  0.3952  0.4030  0.3952  0.3723  0.3351  0.2849  0.2239
  0.5314  0.5418  0.5314  0.5006  0.4505  0.3831  0.3010
  0.7001  0.7138  0.7001  0.6595  0.5935  0.5047  0.3966
  0.9061  0.9239  0.9061  0.8536  0.7682  0.6533  0.5133
Columns 15 through 21
      0      0      0      0      0      0      0
  0.0001  0.0000 -0.0000 -0.0000 -0.0001 -0.0001 -0.0001
  0.0002  0.0001 -0.0000 -0.0001 -0.0002 -0.0003 -0.0003

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0.0006	0.0003	0.0000	-0.0003	-0.0006	-0.0008	-0.0010
0.0015	0.0008	0.0000	-0.0008	-0.0015	-0.0022	-0.0028
0.0035	0.0018	0.0000	-0.0018	-0.0035	-0.0051	-0.0065
0.0072	0.0037	0.0000	-0.0037	-0.0072	-0.0104	-0.0132
0.0131	0.0067	0.0000	-0.0067	-0.0131	-0.0191	-0.0243
0.0223	0.0114	0.0000	-0.0114	-0.0223	-0.0324	-0.0412
0.0356	0.0181	0.0000	-0.0181	-0.0356	-0.0517	-0.0657
0.0541	0.0276	0.0000	-0.0276	-0.0541	-0.0786	-0.1000
0.0792	0.0404	0.0000	-0.0404	-0.0792	-0.1149	-0.1463
0.1120	0.0571	0.0000	-0.0571	-0.1120	-0.1626	-0.2070
0.1542	0.0786	0.0000	-0.0786	-0.1542	-0.2239	-0.2849
0.2073	0.1057	0.0000	-0.1057	-0.2073	-0.3010	-0.3831
0.2732	0.1393	0.0000	-0.1393	-0.2732	-0.3966	-0.5047
0.3536	0.1802	0.0000	-0.1802	-0.3536	-0.5133	-0.6533
Columns 22 through 28						
0	0	0	0	0	0	0
-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001
-0.0004	-0.0004	-0.0004	-0.0005	-0.0004	-0.0004	-0.0004
-0.0012	-0.0013	-0.0014	-0.0015	-0.0014	-0.0013	-0.0012
-0.0033	-0.0037	-0.0039	-0.0040	-0.0039	-0.0037	-0.0033
-0.0077	-0.0085	-0.0091	-0.0092	-0.0091	-0.0085	-0.0077
-0.0156	-0.0173	-0.0184	-0.0187	-0.0184	-0.0173	-0.0156
-0.0285	-0.0317	-0.0337	-0.0343	-0.0337	-0.0317	-0.0285
-0.0484	-0.0538	-0.0571	-0.0582	-0.0571	-0.0538	-0.0484
-0.0773	-0.0859	-0.0912	-0.0930	-0.0912	-0.0859	-0.0773
-0.1176	-0.1307	-0.1387	-0.1414	-0.1387	-0.1307	-0.1176
-0.1720	-0.1911	-0.2029	-0.2068	-0.2029	-0.1911	-0.1720
-0.2434	-0.2704	-0.2871	-0.2927	-0.2871	-0.2704	-0.2434
-0.3351	-0.3723	-0.3952	-0.4030	-0.3952	-0.3723	-0.3351
-0.4505	-0.5006	-0.5314	-0.5418	-0.5314	-0.5006	-0.4505
-0.5935	-0.6595	-0.7001	-0.7138	-0.7001	-0.6595	-0.5935
-0.7682	-0.8536	-0.9061	-0.9239	-0.9061	-0.8536	-0.7682
Columns 29 through 33						
0	0	0	0	0		
-0.0001	-0.0001	-0.0001	-0.0000	0.0000		
-0.0003	-0.0003	-0.0002	-0.0001	-0.0000		
-0.0010	-0.0008	-0.0006	-0.0003	-0.0000		
-0.0028	-0.0022	-0.0015	-0.0008	-0.0000		
-0.0065	-0.0051	-0.0035	-0.0018	-0.0000		
-0.0132	-0.0104	-0.0072	-0.0037	-0.0000		
-0.0243	-0.0191	-0.0131	-0.0067	-0.0000		
-0.0412	-0.0324	-0.0223	-0.0114	-0.0000		
-0.0657	-0.0517	-0.0356	-0.0181	-0.0000		
-0.1000	-0.0786	-0.0541	-0.0276	-0.0000		
-0.1463	-0.1149	-0.0792	-0.0404	-0.0000		
-0.2070	-0.1626	-0.1120	-0.0571	-0.0000		
-0.2849	-0.2239	-0.1542	-0.0786	-0.0000		
-0.3831	-0.3010	-0.2073	-0.1057	-0.0000		
-0.5047	-0.3966	-0.2732	-0.1393	-0.0000		
-0.6533	-0.5133	-0.3536	-0.1802	-0.0000		
(:, :, 7) =						
Columns 1 through 7						
0	0	0	0	0	0	0
0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001
-0.0000	0.0001	0.0002	0.0003	0.0003	0.0004	0.0004
-0.0000	0.0003	0.0005	0.0008	0.0010	0.0012	0.0013
-0.0000	0.0008	0.0015	0.0021	0.0027	0.0032	0.0036
-0.0000	0.0017	0.0034	0.0050	0.0063	0.0074	0.0083
-0.0000	0.0035	0.0069	0.0101	0.0128	0.0150	0.0167
-0.0000	0.0065	0.0127	0.0184	0.0234	0.0276	0.0306
-0.0000	0.0110	0.0215	0.0312	0.0397	0.0467	0.0519
-0.0000	0.0175	0.0343	0.0498	0.0634	0.0746	0.0829
-0.0000	0.0266	0.0522	0.0758	0.0965	0.1135	0.1261
-0.0000	0.0389	0.0764	0.1108	0.1411	0.1659	0.1843
-0.0000	0.0551	0.1080	0.1569	0.1996	0.2348	0.2608
-0.0000	0.0758	0.1487	0.2159	0.2748	0.3232	0.3591
-0.0000	0.1019	0.2000	0.2903	0.3695	0.4345	0.4828
-0.0000	0.1343	0.2635	0.3825	0.4868	0.5724	0.6360
0	0.1738	0.3410	0.4950	0.6300	0.7408	0.8232
Columns 8 through 14						

0	0	0	0	0	0	0
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
0.0004	0.0005	0.0004	0.0004	0.0004	0.0003	0.0003
0.0014	0.0014	0.0014	0.0013	0.0012	0.0010	0.0008
0.0038	0.0039	0.0038	0.0036	0.0032	0.0027	0.0021
0.0088	0.0089	0.0088	0.0083	0.0074	0.0063	0.0050
0.0177	0.0181	0.0177	0.0167	0.0150	0.0128	0.0101
0.0325	0.0331	0.0325	0.0306	0.0276	0.0234	0.0184
0.0551	0.0562	0.0551	0.0519	0.0467	0.0397	0.0312
0.0880	0.0897	0.0880	0.0829	0.0746	0.0634	0.0498
0.1338	0.1365	0.1338	0.1261	0.1135	0.0965	0.0758
0.1957	0.1995	0.1957	0.1843	0.1659	0.1411	0.1108
0.2769	0.2823	0.2769	0.2608	0.2348	0.1996	0.1569
0.3812	0.3887	0.3812	0.3591	0.3232	0.2748	0.2159
0.5125	0.5226	0.5125	0.4828	0.4345	0.3695	0.2903
0.6752	0.6884	0.6752	0.6360	0.5724	0.4868	0.3825
0.8739	0.8910	0.8739	0.8232	0.7408	0.6300	0.4950
Columns 15 through 21						
0	0	0	0	0	0	0
0.0001	0.0000	-0.0000	-0.0000	-0.0001	-0.0001	-0.0001
0.0002	0.0001	-0.0000	-0.0001	-0.0002	-0.0003	-0.0003
0.0005	0.0003	0.0000	-0.0003	-0.0005	-0.0008	-0.0010
0.0015	0.0008	0.0000	-0.0008	-0.0015	-0.0021	-0.0027
0.0034	0.0017	0.0000	-0.0017	-0.0034	-0.0050	-0.0063
0.0069	0.0035	0.0000	-0.0035	-0.0069	-0.0101	-0.0128
0.0127	0.0065	0.0000	-0.0065	-0.0127	-0.0184	-0.0234
0.0215	0.0110	0.0000	-0.0110	-0.0215	-0.0312	-0.0397
0.0343	0.0175	0.0000	-0.0175	-0.0343	-0.0498	-0.0634
0.0522	0.0266	0.0000	-0.0266	-0.0522	-0.0758	-0.0965
0.0764	0.0389	0.0000	-0.0389	-0.0764	-0.1108	-0.1411
0.1080	0.0551	0.0000	-0.0551	-0.1080	-0.1569	-0.1996
0.1487	0.0758	0.0000	-0.0758	-0.1487	-0.2159	-0.2748
0.2000	0.1019	0.0000	-0.1019	-0.2000	-0.2903	-0.3695
0.2635	0.1343	0.0000	-0.1343	-0.2635	-0.3825	-0.4868
0.3410	0.1738	0.0000	-0.1738	-0.3410	-0.4950	-0.6300
Columns 22 through 28						
0	0	0	0	0	0	0
-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001
-0.0004	-0.0004	-0.0004	-0.0005	-0.0004	-0.0004	-0.0004
-0.0012	-0.0013	-0.0014	-0.0014	-0.0014	-0.0013	-0.0012
-0.0032	-0.0036	-0.0038	-0.0039	-0.0038	-0.0036	-0.0032
-0.0074	-0.0083	-0.0088	-0.0089	-0.0088	-0.0083	-0.0074
-0.0150	-0.0167	-0.0177	-0.0181	-0.0177	-0.0167	-0.0150
-0.0276	-0.0306	-0.0325	-0.0331	-0.0325	-0.0306	-0.0276
-0.0467	-0.0519	-0.0551	-0.0562	-0.0551	-0.0519	-0.0467
-0.0746	-0.0829	-0.0880	-0.0897	-0.0880	-0.0829	-0.0746
-0.1135	-0.1261	-0.1338	-0.1365	-0.1338	-0.1261	-0.1135
-0.1659	-0.1843	-0.1957	-0.1995	-0.1957	-0.1843	-0.1659
-0.2348	-0.2608	-0.2769	-0.2823	-0.2769	-0.2608	-0.2348
-0.3232	-0.3591	-0.3812	-0.3887	-0.3812	-0.3591	-0.3232
-0.4345	-0.4828	-0.5125	-0.5226	-0.5125	-0.4828	-0.4345
-0.5724	-0.6360	-0.6752	-0.6884	-0.6752	-0.6360	-0.5724
-0.7408	-0.8232	-0.8739	-0.8910	-0.8739	-0.8232	-0.7408
Columns 29 through 33						
0	0	0	0	0		
-0.0001	-0.0001	-0.0001	-0.0000	0.0000		
-0.0003	-0.0003	-0.0002	-0.0001	-0.0000		
-0.0010	-0.0008	-0.0005	-0.0003	-0.0000		
-0.0027	-0.0021	-0.0015	-0.0008	-0.0000		
-0.0063	-0.0050	-0.0034	-0.0017	-0.0000		
-0.0128	-0.0101	-0.0069	-0.0035	-0.0000		
-0.0234	-0.0184	-0.0127	-0.0065	-0.0000		
-0.0397	-0.0312	-0.0215	-0.0110	-0.0000		
-0.0634	-0.0498	-0.0343	-0.0175	-0.0000		
-0.0965	-0.0758	-0.0522	-0.0266	-0.0000		
-0.1411	-0.1108	-0.0764	-0.0389	-0.0000		
-0.1996	-0.1569	-0.1080	-0.0551	-0.0000		
-0.2748	-0.2159	-0.1487	-0.0758	-0.0000		
-0.3695	-0.2903	-0.2000	-0.1019	-0.0000		
-0.4868	-0.3825	-0.2635	-0.1343	-0.0000		

```

-0.6300  -0.4950  -0.3410  -0.1738  -0.0000
(:,8) =
Columns 1 through 7
0         0         0         0         0         0         0
0.0000    0.0000    0.0001    0.0001    0.0001    0.0001    0.0001
-0.0000    0.0001    0.0002    0.0002    0.0003    0.0004    0.0004
-0.0000    0.0003    0.0005    0.0008    0.0010    0.0011    0.0013
-0.0000    0.0007    0.0014    0.0021    0.0026    0.0031    0.0034
-0.0000    0.0017    0.0033    0.0048    0.0061    0.0071    0.0079
-0.0000    0.0034    0.0066    0.0096    0.0123    0.0144    0.0160
-0.0000    0.0062    0.0121    0.0176    0.0224    0.0264    0.0293
-0.0000    0.0105    0.0206    0.0299    0.0380    0.0447    0.0497
-0.0000    0.0168    0.0329    0.0477    0.0607    0.0714    0.0793
-0.0000    0.0255    0.0500    0.0726    0.0923    0.1086    0.1207
-0.0000    0.0373    0.0731    0.1061    0.1350    0.1588    0.1764
-0.0000    0.0527    0.1034    0.1501    0.1911    0.2247    0.2496
-0.0000    0.0726    0.1423    0.2066    0.2630    0.3093    0.3436
-0.0000    0.0976    0.1914    0.2778    0.3536    0.4158    0.4620
-0.0000    0.1285    0.2521    0.3660    0.4658    0.5478    0.6086
0         0.1663    0.3263    0.4737    0.6029    0.7089    0.7877
Columns 8 through 14
0         0         0         0         0         0         0
0.0001    0.0001    0.0001    0.0001    0.0001    0.0001    0.0001
0.0004    0.0004    0.0004    0.0004    0.0004    0.0003    0.0002
0.0014    0.0014    0.0014    0.0013    0.0011    0.0010    0.0008
0.0037    0.0037    0.0037    0.0034    0.0031    0.0026    0.0021
0.0084    0.0086    0.0084    0.0079    0.0071    0.0061    0.0048
0.0170    0.0173    0.0170    0.0160    0.0144    0.0123    0.0096
0.0311    0.0317    0.0311    0.0293    0.0264    0.0224    0.0176
0.0528    0.0538    0.0528    0.0497    0.0447    0.0380    0.0299
0.0842    0.0859    0.0842    0.0793    0.0714    0.0607    0.0477
0.1281    0.1306    0.1281    0.1207    0.1086    0.0923    0.0726
0.1873    0.1910    0.1873    0.1764    0.1588    0.1350    0.1061
0.2650    0.2702    0.2650    0.2496    0.2247    0.1911    0.1501
0.3648    0.3719    0.3648    0.3436    0.3093    0.2630    0.2066
0.4905    0.5001    0.4905    0.4620    0.4158    0.3536    0.2778
0.6461    0.6588    0.6461    0.6086    0.5478    0.4658    0.3660
0.8363    0.8526    0.8363    0.7877    0.7089    0.6029    0.4737
Columns 15 through 21
0         0         0         0         0         0         0
0.0001    0.0000    -0.0000    -0.0000    -0.0001    -0.0001    -0.0001
0.0002    0.0001    0.0000    -0.0001    -0.0002    -0.0002    -0.0003
0.0005    0.0003    0.0000    -0.0003    -0.0005    -0.0008    -0.0010
0.0014    0.0007    0.0000    -0.0007    -0.0014    -0.0021    -0.0026
0.0033    0.0017    0.0000    -0.0017    -0.0033    -0.0048    -0.0061
0.0066    0.0034    0.0000    -0.0034    -0.0066    -0.0096    -0.0123
0.0121    0.0062    0.0000    -0.0062    -0.0121    -0.0176    -0.0224
0.0206    0.0105    0.0000    -0.0105    -0.0206    -0.0299    -0.0380
0.0329    0.0168    0.0000    -0.0168    -0.0329    -0.0477    -0.0607
0.0500    0.0255    0.0000    -0.0255    -0.0500    -0.0726    -0.0923
0.0731    0.0373    0.0000    -0.0373    -0.0731    -0.1061    -0.1350
0.1034    0.0527    0.0000    -0.0527    -0.1034    -0.1501    -0.1911
0.1423    0.0726    0.0000    -0.0726    -0.1423    -0.2066    -0.2630
0.1914    0.0976    0.0000    -0.0976    -0.1914    -0.2778    -0.3536
0.2521    0.1285    0.0000    -0.1285    -0.2521    -0.3660    -0.4658
0.3263    0.1663    0.0000    -0.1663    -0.3263    -0.4737    -0.6029
Columns 22 through 28
0         0         0         0         0         0         0
-0.0001    -0.0001    -0.0001    -0.0001    -0.0001    -0.0001    -0.0001
-0.0004    -0.0004    -0.0004    -0.0004    -0.0004    -0.0004    -0.0004
-0.0011    -0.0013    -0.0014    -0.0014    -0.0014    -0.0013    -0.0011
-0.0031    -0.0034    -0.0037    -0.0037    -0.0037    -0.0034    -0.0031
-0.0071    -0.0079    -0.0084    -0.0086    -0.0084    -0.0079    -0.0071
-0.0144    -0.0160    -0.0170    -0.0173    -0.0170    -0.0160    -0.0144
-0.0264    -0.0293    -0.0311    -0.0317    -0.0311    -0.0293    -0.0264
-0.0447    -0.0497    -0.0528    -0.0538    -0.0528    -0.0497    -0.0447
-0.0714    -0.0793    -0.0842    -0.0859    -0.0842    -0.0793    -0.0714
-0.1086    -0.1207    -0.1281    -0.1306    -0.1281    -0.1207    -0.1086
-0.1588    -0.1764    -0.1873    -0.1910    -0.1873    -0.1764    -0.1588
-0.2247    -0.2496    -0.2650    -0.2702    -0.2650    -0.2496    -0.2247

```

```

-0.3093 -0.3436 -0.3648 -0.3719 -0.3648 -0.3436 -0.3093
-0.4158 -0.4620 -0.4905 -0.5001 -0.4905 -0.4620 -0.4158
-0.5478 -0.6086 -0.6461 -0.6588 -0.6461 -0.6086 -0.5478
-0.7089 -0.7877 -0.8363 -0.8526 -0.8363 -0.7877 -0.7089
Columns 29 through 33
      0      0      0      0      0
-0.0001 -0.0001 -0.0001 -0.0000  0.0000
-0.0003 -0.0002 -0.0002 -0.0001 -0.0000
-0.0010 -0.0008 -0.0005 -0.0003 -0.0000
-0.0026 -0.0021 -0.0014 -0.0007 -0.0000
-0.0061 -0.0048 -0.0033 -0.0017 -0.0000
-0.0123 -0.0096 -0.0066 -0.0034 -0.0000
-0.0224 -0.0176 -0.0121 -0.0062 -0.0000
-0.0380 -0.0299 -0.0206 -0.0105 -0.0000
-0.0607 -0.0477 -0.0329 -0.0168 -0.0000
-0.0923 -0.0726 -0.0500 -0.0255 -0.0000
-0.1350 -0.1061 -0.0731 -0.0373 -0.0000
-0.1911 -0.1501 -0.1034 -0.0527 -0.0000
-0.2630 -0.2066 -0.1423 -0.0726 -0.0000
-0.3536 -0.2778 -0.1914 -0.0976 -0.0000
-0.4658 -0.3660 -0.2521 -0.1285 -0.0000
-0.6029 -0.4737 -0.3263 -0.1663 -0.0000
(:, : , 9) =
Columns 1 through 7
      0      0      0      0      0      0      0
  0.0000  0.0000  0.0001  0.0001  0.0001  0.0001  0.0001
  0.0000  0.0001  0.0002  0.0002  0.0003  0.0004  0.0004
-0.0000  0.0003  0.0005  0.0007  0.0009  0.0011  0.0012
-0.0000  0.0007  0.0014  0.0020  0.0025  0.0029  0.0033
-0.0000  0.0016  0.0031  0.0045  0.0058  0.0068  0.0075
-0.0000  0.0032  0.0063  0.0092  0.0117  0.0137  0.0152
-0.0000  0.0059  0.0115  0.0167  0.0213  0.0251  0.0278
-0.0000  0.0100  0.0195  0.0284  0.0361  0.0425  0.0472
-0.0000  0.0159  0.0312  0.0453  0.0576  0.0678  0.0753
-0.0000  0.0242  0.0474  0.0689  0.0876  0.1031  0.1145
-0.0000  0.0354  0.0693  0.1007  0.1281  0.1507  0.1674
-0.0000  0.0500  0.0981  0.1424  0.1813  0.2132  0.2369
-0.0000  0.0689  0.1351  0.1961  0.2496  0.2934  0.3261
-0.0000  0.0926  0.1816  0.2636  0.3355  0.3945  0.4384
-0.0000  0.1219  0.2392  0.3473  0.4420  0.5197  0.5775
      0      0.1578  0.3096  0.4495  0.5721  0.6727  0.7474
Columns 8 through 14
      0      0      0      0      0      0      0
  0.0001  0.0001  0.0001  0.0001  0.0001  0.0001  0.0001
  0.0004  0.0004  0.0004  0.0004  0.0004  0.0003  0.0002
  0.0013  0.0013  0.0013  0.0012  0.0011  0.0009  0.0007
  0.0035  0.0035  0.0035  0.0033  0.0029  0.0025  0.0020
  0.0080  0.0082  0.0080  0.0075  0.0068  0.0058  0.0045
  0.0162  0.0165  0.0162  0.0152  0.0137  0.0117  0.0092
  0.0296  0.0301  0.0296  0.0278  0.0251  0.0213  0.0167
  0.0501  0.0511  0.0501  0.0472  0.0425  0.0361  0.0284
  0.0799  0.0815  0.0799  0.0753  0.0678  0.0576  0.0453
  0.1216  0.1239  0.1216  0.1145  0.1031  0.0876  0.0689
  0.1777  0.1812  0.1777  0.1674  0.1507  0.1281  0.1007
  0.2515  0.2564  0.2515  0.2369  0.2132  0.1813  0.1424
  0.3461  0.3529  0.3461  0.3261  0.2934  0.2496  0.1961
  0.4654  0.4745  0.4654  0.4384  0.3945  0.3355  0.2636
  0.6131  0.6251  0.6131  0.5775  0.5197  0.4420  0.3473
  0.7935  0.8090  0.7935  0.7474  0.6727  0.5721  0.4495
Columns 15 through 21
      0      0      0      0      0      0      0
  0.0001  0.0000 -0.0000 -0.0000 -0.0001 -0.0001 -0.0001
  0.0002  0.0001  0.0000 -0.0001 -0.0002 -0.0002 -0.0003
  0.0005  0.0003  0.0000 -0.0003 -0.0005 -0.0007 -0.0009
  0.0014  0.0007  0.0000 -0.0007 -0.0014 -0.0020 -0.0025
  0.0031  0.0016  0.0000 -0.0016 -0.0031 -0.0045 -0.0058
  0.0063  0.0032  0.0000 -0.0032 -0.0063 -0.0092 -0.0117
  0.0115  0.0059  0.0000 -0.0059 -0.0115 -0.0167 -0.0213
  0.0195  0.0100  0.0000 -0.0100 -0.0195 -0.0284 -0.0361
  0.0312  0.0159  0.0000 -0.0159 -0.0312 -0.0453 -0.0576

```

0.0474	0.0242	0.0000	-0.0242	-0.0474	-0.0689	-0.0876
0.0693	0.0354	0.0000	-0.0354	-0.0693	-0.1007	-0.1281
0.0981	0.0500	0.0000	-0.0500	-0.0981	-0.1424	-0.1813
0.1351	0.0689	0.0000	-0.0689	-0.1351	-0.1961	-0.2496
0.1816	0.0926	0.0000	-0.0926	-0.1816	-0.2636	-0.3355
0.2392	0.1219	0.0000	-0.1219	-0.2392	-0.3473	-0.4420
0.3096	0.1578	0.0000	-0.1578	-0.3096	-0.4495	-0.5721
Columns 22 through 28						
0	0	0	0	0	0	0
-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001
-0.0004	-0.0004	-0.0004	-0.0004	-0.0004	-0.0004	-0.0004
-0.0011	-0.0012	-0.0013	-0.0013	-0.0013	-0.0012	-0.0011
-0.0029	-0.0033	-0.0035	-0.0035	-0.0035	-0.0033	-0.0029
-0.0068	-0.0075	-0.0080	-0.0082	-0.0080	-0.0075	-0.0068
-0.0137	-0.0152	-0.0162	-0.0165	-0.0162	-0.0152	-0.0137
-0.0251	-0.0278	-0.0296	-0.0301	-0.0296	-0.0278	-0.0251
-0.0425	-0.0472	-0.0501	-0.0511	-0.0501	-0.0472	-0.0425
-0.0678	-0.0753	-0.0799	-0.0815	-0.0799	-0.0753	-0.0678
-0.1031	-0.1145	-0.1216	-0.1239	-0.1216	-0.1145	-0.1031
-0.1507	-0.1674	-0.1777	-0.1812	-0.1777	-0.1674	-0.1507
-0.2132	-0.2369	-0.2515	-0.2564	-0.2515	-0.2369	-0.2132
-0.2934	-0.3261	-0.3461	-0.3529	-0.3461	-0.3261	-0.2934
-0.3945	-0.4384	-0.4654	-0.4745	-0.4654	-0.4384	-0.3945
-0.5197	-0.5775	-0.6131	-0.6251	-0.6131	-0.5775	-0.5197
-0.6727	-0.7474	-0.7935	-0.8090	-0.7935	-0.7474	-0.6727
Columns 29 through 33						
0	0	0	0	0	0	0
-0.0001	-0.0001	-0.0001	-0.0000	0.0000		
-0.0003	-0.0002	-0.0002	-0.0001	0.0000		
-0.0009	-0.0007	-0.0005	-0.0003	-0.0000		
-0.0025	-0.0020	-0.0014	-0.0007	-0.0000		
-0.0058	-0.0045	-0.0031	-0.0016	-0.0000		
-0.0117	-0.0092	-0.0063	-0.0032	-0.0000		
-0.0213	-0.0167	-0.0115	-0.0059	-0.0000		
-0.0361	-0.0284	-0.0195	-0.0100	-0.0000		
-0.0576	-0.0453	-0.0312	-0.0159	-0.0000		
-0.0876	-0.0689	-0.0474	-0.0242	-0.0000		
-0.1281	-0.1007	-0.0693	-0.0354	-0.0000		
-0.1813	-0.1424	-0.0981	-0.0500	-0.0000		
-0.2496	-0.1961	-0.1351	-0.0689	-0.0000		
-0.3355	-0.2636	-0.1816	-0.0926	-0.0000		
-0.4420	-0.3473	-0.2392	-0.1219	-0.0000		
-0.5721	-0.4495	-0.3096	-0.1578	-0.0000		
(:, : , 10) =						
Columns 1 through 7						
0	0	0	0	0	0	0
0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001
0.0000	0.0001	0.0002	0.0002	0.0003	0.0003	0.0004
-0.0000	0.0002	0.0005	0.0007	0.0009	0.0010	0.0012
-0.0000	0.0007	0.0013	0.0019	0.0024	0.0028	0.0031
-0.0000	0.0015	0.0029	0.0043	0.0054	0.0064	0.0071
-0.0000	0.0030	0.0059	0.0086	0.0110	0.0129	0.0143
-0.0000	0.0055	0.0108	0.0157	0.0200	0.0236	0.0262
-0.0000	0.0094	0.0184	0.0267	0.0340	0.0399	0.0444
-0.0000	0.0149	0.0293	0.0426	0.0542	0.0637	0.0708
-0.0000	0.0227	0.0446	0.0647	0.0824	0.0969	0.1076
-0.0000	0.0332	0.0652	0.0946	0.1204	0.1416	0.1574
-0.0000	0.0470	0.0922	0.1339	0.1704	0.2004	0.2227
-0.0000	0.0647	0.1269	0.1843	0.2346	0.2758	0.3065
-0.0000	0.0870	0.1707	0.2478	0.3154	0.3708	0.4120
-0.0000	0.1146	0.2248	0.3264	0.4155	0.4885	0.5428
0	0.1483	0.2910	0.4225	0.5377	0.6323	0.7025
Columns 8 through 14						
0	0	0	0	0	0	0
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
0.0004	0.0004	0.0004	0.0004	0.0003	0.0003	0.0002
0.0012	0.0012	0.0012	0.0012	0.0010	0.0009	0.0007
0.0033	0.0033	0.0033	0.0031	0.0028	0.0024	0.0019
0.0075	0.0077	0.0075	0.0071	0.0064	0.0054	0.0043
0.0152	0.0155	0.0152	0.0143	0.0129	0.0110	0.0086

```

0.0278    0.0283    0.0278    0.0262    0.0236    0.0200    0.0157
0.0471    0.0480    0.0471    0.0444    0.0399    0.0340    0.0267
0.0752    0.0766    0.0752    0.0708    0.0637    0.0542    0.0426
0.1143    0.1165    0.1143    0.1076    0.0969    0.0824    0.0647
0.1671    0.1703    0.1671    0.1574    0.1416    0.1204    0.0946
0.2364    0.2410    0.2364    0.2227    0.2004    0.1704    0.1339
0.3254    0.3317    0.3254    0.3065    0.2758    0.2346    0.1843
0.4374    0.4460    0.4374    0.4120    0.3708    0.3154    0.2478
0.5762    0.5875    0.5762    0.5428    0.4885    0.4155    0.3264
0.7458    0.7604    0.7458    0.7025    0.6323    0.5377    0.4225
Columns 15 through 21
0          0          0          0          0          0          0
0.0001    0.0000   -0.0000   -0.0000   -0.0001   -0.0001   -0.0001
0.0002    0.0001    0.0000   -0.0001   -0.0002   -0.0002   -0.0003
0.0005    0.0002    0.0000   -0.0002   -0.0005   -0.0007   -0.0009
0.0013    0.0007    0.0000   -0.0007   -0.0013   -0.0019   -0.0024
0.0029    0.0015    0.0000   -0.0015   -0.0029   -0.0043   -0.0054
0.0059    0.0030    0.0000   -0.0030   -0.0059   -0.0086   -0.0110
0.0108    0.0055    0.0000   -0.0055   -0.0108   -0.0157   -0.0200
0.0184    0.0094    0.0000   -0.0094   -0.0184   -0.0267   -0.0340
0.0293    0.0149    0.0000   -0.0149   -0.0293   -0.0426   -0.0542
0.0446    0.0227    0.0000   -0.0227   -0.0446   -0.0647   -0.0824
0.0652    0.0332    0.0000   -0.0332   -0.0652   -0.0946   -0.1204
0.0922    0.0470    0.0000   -0.0470   -0.0922   -0.1339   -0.1704
0.1269    0.0647    0.0000   -0.0647   -0.1269   -0.1843   -0.2346
0.1707    0.0870    0.0000   -0.0870   -0.1707   -0.2478   -0.3154
0.2248    0.1146    0.0000   -0.1146   -0.2248   -0.3264   -0.4155
0.2910    0.1483    0.0000   -0.1483   -0.2910   -0.4225   -0.5377
Columns 22 through 28
0          0          0          0          0          0          0
-0.0001   -0.0001   -0.0001   -0.0001   -0.0001   -0.0001   -0.0001
-0.0003   -0.0004   -0.0004   -0.0004   -0.0004   -0.0004   -0.0003
-0.0010   -0.0012   -0.0012   -0.0012   -0.0012   -0.0012   -0.0010
-0.0028   -0.0031   -0.0033   -0.0033   -0.0033   -0.0031   -0.0028
-0.0064   -0.0071   -0.0075   -0.0077   -0.0075   -0.0071   -0.0064
-0.0129   -0.0143   -0.0152   -0.0155   -0.0152   -0.0143   -0.0129
-0.0236   -0.0262   -0.0278   -0.0283   -0.0278   -0.0262   -0.0236
-0.0399   -0.0444   -0.0471   -0.0480   -0.0471   -0.0444   -0.0399
-0.0637   -0.0708   -0.0752   -0.0766   -0.0752   -0.0708   -0.0637
-0.0969   -0.1076   -0.1143   -0.1165   -0.1143   -0.1076   -0.0969
-0.1416   -0.1574   -0.1671   -0.1703   -0.1671   -0.1574   -0.1416
-0.2004   -0.2227   -0.2364   -0.2410   -0.2364   -0.2227   -0.2004
-0.2758   -0.3065   -0.3254   -0.3317   -0.3254   -0.3065   -0.2758
-0.3708   -0.4120   -0.4374   -0.4460   -0.4374   -0.4120   -0.3708
-0.4885   -0.5428   -0.5762   -0.5875   -0.5762   -0.5428   -0.4885
-0.6323   -0.7025   -0.7458   -0.7604   -0.7458   -0.7025   -0.6323
Columns 29 through 33
0          0          0          0          0
-0.0001   -0.0001   -0.0001   -0.0000    0.0000
-0.0003   -0.0002   -0.0002   -0.0001    0.0000
-0.0009   -0.0007   -0.0005   -0.0002   -0.0000
-0.0024   -0.0019   -0.0013   -0.0007   -0.0000
-0.0054   -0.0043   -0.0029   -0.0015   -0.0000
-0.0110   -0.0086   -0.0059   -0.0030   -0.0000
-0.0200   -0.0157   -0.0108   -0.0055   -0.0000
-0.0340   -0.0267   -0.0184   -0.0094   -0.0000
-0.0542   -0.0426   -0.0293   -0.0149   -0.0000
-0.0824   -0.0647   -0.0446   -0.0227   -0.0000
-0.1204   -0.0946   -0.0652   -0.0332   -0.0000
-0.1704   -0.1339   -0.0922   -0.0470   -0.0000
-0.2346   -0.1843   -0.1269   -0.0647   -0.0000
-0.3154   -0.2478   -0.1707   -0.0870   -0.0000
-0.4155   -0.3264   -0.2248   -0.1146   -0.0000
-0.5377   -0.4225   -0.2910   -0.1483   -0.0000
(:, : , 11) =
Columns 1 through 7
0          0          0          0          0          0          0
0.0000    0.0000    0.0000    0.0001    0.0001    0.0001    0.0001
-0.0000    0.0001    0.0001    0.0002    0.0003    0.0003    0.0004
-0.0000    0.0002    0.0004    0.0006    0.0008    0.0010    0.0011

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-0.0000	0.0006	0.0012	0.0017	0.0022	0.0026	0.0029
-0.0000	0.0014	0.0027	0.0040	0.0051	0.0059	0.0066
-0.0000	0.0028	0.0055	0.0080	0.0102	0.0120	0.0133
-0.0000	0.0051	0.0101	0.0147	0.0186	0.0219	0.0244
-0.0000	0.0087	0.0171	0.0248	0.0316	0.0371	0.0413
-0.0000	0.0139	0.0273	0.0396	0.0504	0.0593	0.0658
-0.0000	0.0211	0.0415	0.0602	0.0766	0.0901	0.1001
-0.0000	0.0309	0.0606	0.0880	0.1120	0.1317	0.1463
-0.0000	0.0437	0.0858	0.1245	0.1585	0.1863	0.2071
-0.0000	0.0602	0.1181	0.1714	0.2181	0.2565	0.2850
-0.0000	0.0809	0.1587	0.2304	0.2933	0.3448	0.3832
-0.0000	0.1066	0.2091	0.3035	0.3863	0.4543	0.5048
0	0.1379	0.2706	0.3928	0.5000	0.5879	0.6533
Columns 8 through 14						
0	0	0	0	0	0	0
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
0.0004	0.0004	0.0004	0.0004	0.0003	0.0003	0.0002
0.0011	0.0012	0.0011	0.0011	0.0010	0.0008	0.0006
0.0031	0.0031	0.0031	0.0029	0.0026	0.0022	0.0017
0.0070	0.0072	0.0070	0.0066	0.0059	0.0051	0.0040
0.0142	0.0144	0.0142	0.0133	0.0120	0.0102	0.0080
0.0259	0.0264	0.0259	0.0244	0.0219	0.0186	0.0147
0.0438	0.0447	0.0438	0.0413	0.0371	0.0316	0.0248
0.0699	0.0713	0.0699	0.0658	0.0593	0.0504	0.0396
0.1063	0.1084	0.1063	0.1001	0.0901	0.0766	0.0602
0.1554	0.1584	0.1554	0.1463	0.1317	0.1120	0.0880
0.2198	0.2241	0.2198	0.2071	0.1863	0.1585	0.1245
0.3026	0.3085	0.3026	0.2850	0.2565	0.2181	0.1714
0.4068	0.4147	0.4068	0.3832	0.3448	0.2933	0.2304
0.5359	0.5464	0.5359	0.5048	0.4543	0.3863	0.3035
0.6935	0.7071	0.6935	0.6533	0.5879	0.5000	0.3928
Columns 15 through 21						
0	0	0	0	0	0	0
0.0000	0.0000	-0.0000	-0.0000	-0.0000	-0.0001	-0.0001
0.0001	0.0001	0.0000	-0.0001	-0.0001	-0.0002	-0.0003
0.0004	0.0002	0.0000	-0.0002	-0.0004	-0.0006	-0.0008
0.0012	0.0006	0.0000	-0.0006	-0.0012	-0.0017	-0.0022
0.0027	0.0014	0.0000	-0.0014	-0.0027	-0.0040	-0.0051
0.0055	0.0028	0.0000	-0.0028	-0.0055	-0.0080	-0.0102
0.0101	0.0051	0.0000	-0.0051	-0.0101	-0.0147	-0.0186
0.0171	0.0087	0.0000	-0.0087	-0.0171	-0.0248	-0.0316
0.0273	0.0139	0.0000	-0.0139	-0.0273	-0.0396	-0.0504
0.0415	0.0211	0.0000	-0.0211	-0.0415	-0.0602	-0.0766
0.0606	0.0309	0.0000	-0.0309	-0.0606	-0.0880	-0.1120
0.0858	0.0437	0.0000	-0.0437	-0.0858	-0.1245	-0.1585
0.1181	0.0602	0.0000	-0.0602	-0.1181	-0.1714	-0.2181
0.1587	0.0809	0.0000	-0.0809	-0.1587	-0.2304	-0.2933
0.2091	0.1066	0.0000	-0.1066	-0.2091	-0.3035	-0.3863
0.2706	0.1379	0.0000	-0.1379	-0.2706	-0.3928	-0.5000
Columns 22 through 28						
0	0	0	0	0	0	0
-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001
-0.0003	-0.0004	-0.0004	-0.0004	-0.0004	-0.0004	-0.0003
-0.0010	-0.0011	-0.0011	-0.0012	-0.0011	-0.0011	-0.0010
-0.0026	-0.0029	-0.0031	-0.0031	-0.0031	-0.0029	-0.0026
-0.0059	-0.0066	-0.0070	-0.0072	-0.0070	-0.0066	-0.0059
-0.0120	-0.0133	-0.0142	-0.0144	-0.0142	-0.0133	-0.0120
-0.0219	-0.0244	-0.0259	-0.0264	-0.0259	-0.0244	-0.0219
-0.0371	-0.0413	-0.0438	-0.0447	-0.0438	-0.0413	-0.0371
-0.0593	-0.0658	-0.0699	-0.0713	-0.0699	-0.0658	-0.0593
-0.0901	-0.1001	-0.1063	-0.1084	-0.1063	-0.1001	-0.0901
-0.1317	-0.1463	-0.1554	-0.1584	-0.1554	-0.1463	-0.1317
-0.1863	-0.2071	-0.2198	-0.2241	-0.2198	-0.2071	-0.1863
-0.2565	-0.2850	-0.3026	-0.3085	-0.3026	-0.2850	-0.2565
-0.3448	-0.3832	-0.4068	-0.4147	-0.4068	-0.3832	-0.3448
-0.4543	-0.5048	-0.5359	-0.5464	-0.5359	-0.5048	-0.4543
-0.5879	-0.6533	-0.6935	-0.7071	-0.6935	-0.6533	-0.5879
Columns 29 through 33						
0	0	0	0	0	0	0
-0.0001	-0.0001	-0.0000	-0.0000	0.0000	0.0000	0.0000

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-0.0003  -0.0002  -0.0001  -0.0001  -0.0000
-0.0008  -0.0006  -0.0004  -0.0002  -0.0000
-0.0022  -0.0017  -0.0012  -0.0006  -0.0000
-0.0051  -0.0040  -0.0027  -0.0014  -0.0000
-0.0102  -0.0080  -0.0055  -0.0028  -0.0000
-0.0186  -0.0147  -0.0101  -0.0051  -0.0000
-0.0316  -0.0248  -0.0171  -0.0087  -0.0000
-0.0504  -0.0396  -0.0273  -0.0139  -0.0000
-0.0766  -0.0602  -0.0415  -0.0211  -0.0000
-0.1120  -0.0880  -0.0606  -0.0309  -0.0000
-0.1585  -0.1245  -0.0858  -0.0437  -0.0000
-0.2181  -0.1714  -0.1181  -0.0602  -0.0000
-0.2933  -0.2304  -0.1587  -0.0809  -0.0000
-0.3863  -0.3035  -0.2091  -0.1066  -0.0000
-0.5000  -0.3928  -0.2706  -0.1379  -0.0000
(:,12) =
Columns 1 through 7
    0         0         0         0         0         0         0
-0.0000    0.0000    0.0000    0.0001    0.0001    0.0001    0.0001
-0.0000    0.0001    0.0001    0.0002    0.0003    0.0003    0.0003
-0.0000    0.0002    0.0004    0.0006    0.0008    0.0009    0.0010
-0.0000    0.0006    0.0011    0.0016    0.0020    0.0024    0.0027
-0.0000    0.0013    0.0025    0.0037    0.0047    0.0055    0.0061
-0.0000    0.0026    0.0051    0.0074    0.0094    0.0110    0.0123
-0.0000    0.0047    0.0093    0.0135    0.0171    0.0202    0.0224
-0.0000    0.0080    0.0157    0.0228    0.0290    0.0341    0.0379
-0.0000    0.0128    0.0251    0.0364    0.0463    0.0544    0.0605
-0.0000    0.0194    0.0381    0.0553    0.0704    0.0828    0.0920
-0.0000    0.0284    0.0557    0.0808    0.1029    0.1210    0.1344
-0.0000    0.0402    0.0788    0.1144    0.1456    0.1712    0.1902
-0.0000    0.0553    0.1084    0.1574    0.2003    0.2356    0.2618
-0.0000    0.0743    0.1458    0.2116    0.2693    0.3167    0.3519
-0.0000    0.0979    0.1920    0.2788    0.3548    0.4172    0.4636
    0    0.1267    0.2485    0.3608    0.4592    0.5400    0.6000
Columns 8 through 14
    0         0         0         0         0         0         0
    0.0001    0.0001    0.0001    0.0001    0.0001    0.0001    0.0001
    0.0004    0.0004    0.0004    0.0003    0.0003    0.0003    0.0002
    0.0011    0.0011    0.0011    0.0010    0.0009    0.0008    0.0006
    0.0028    0.0029    0.0028    0.0027    0.0024    0.0020    0.0016
    0.0065    0.0066    0.0065    0.0061    0.0055    0.0047    0.0037
    0.0130    0.0133    0.0130    0.0123    0.0110    0.0094    0.0074
    0.0238    0.0242    0.0238    0.0224    0.0202    0.0171    0.0135
    0.0403    0.0410    0.0403    0.0379    0.0341    0.0290    0.0228
    0.0642    0.0655    0.0642    0.0605    0.0544    0.0463    0.0364
    0.0976    0.0995    0.0976    0.0920    0.0828    0.0704    0.0553
    0.1427    0.1455    0.1427    0.1344    0.1210    0.1029    0.0808
    0.2019    0.2059    0.2019    0.1902    0.1712    0.1456    0.1144
    0.2779    0.2833    0.2779    0.2618    0.2356    0.2003    0.1574
    0.3736    0.3809    0.3736    0.3519    0.3167    0.2693    0.2116
    0.4922    0.5018    0.4922    0.4636    0.4172    0.3548    0.2788
    0.6370    0.6494    0.6370    0.6000    0.5400    0.4592    0.3608
Columns 15 through 21
    0         0         0         0         0         0         0
    0.0000    0.0000   -0.0000   -0.0000   -0.0000   -0.0001   -0.0001
    0.0001    0.0001   -0.0000   -0.0001   -0.0001   -0.0002   -0.0003
    0.0004    0.0002   -0.0000   -0.0002   -0.0004   -0.0006   -0.0008
    0.0011    0.0006   -0.0000   -0.0006   -0.0011   -0.0016   -0.0020
    0.0025    0.0013   -0.0000   -0.0013   -0.0025   -0.0037   -0.0047
    0.0051    0.0026    0.0000   -0.0026   -0.0051   -0.0074   -0.0094
    0.0093    0.0047    0.0000   -0.0047   -0.0093   -0.0135   -0.0171
    0.0157    0.0080    0.0000   -0.0080   -0.0157   -0.0228   -0.0290
    0.0251    0.0128    0.0000   -0.0128   -0.0251   -0.0364   -0.0463
    0.0381    0.0194    0.0000   -0.0194   -0.0381   -0.0553   -0.0704
    0.0557    0.0284    0.0000   -0.0284   -0.0557   -0.0808   -0.1029
    0.0788    0.0402    0.0000   -0.0402   -0.0788   -0.1144   -0.1456
    0.1084    0.0553    0.0000   -0.0553   -0.1084   -0.1574   -0.2003
    0.1458    0.0743    0.0000   -0.0743   -0.1458   -0.2116   -0.2693
    0.1920    0.0979    0.0000   -0.0979   -0.1920   -0.2788   -0.3548
    0.2485    0.1267    0.0000   -0.1267   -0.2485   -0.3608   -0.4592

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Columns 22 through 28						
0	0	0	0	0	0	0
-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001
-0.0003	-0.0003	-0.0004	-0.0004	-0.0004	-0.0003	-0.0003
-0.0009	-0.0010	-0.0011	-0.0011	-0.0011	-0.0010	-0.0009
-0.0024	-0.0027	-0.0028	-0.0029	-0.0028	-0.0027	-0.0024
-0.0055	-0.0061	-0.0065	-0.0066	-0.0065	-0.0061	-0.0055
-0.0110	-0.0123	-0.0130	-0.0133	-0.0130	-0.0123	-0.0110
-0.0202	-0.0224	-0.0238	-0.0242	-0.0238	-0.0224	-0.0202
-0.0341	-0.0379	-0.0403	-0.0410	-0.0403	-0.0379	-0.0341
-0.0544	-0.0605	-0.0642	-0.0655	-0.0642	-0.0605	-0.0544
-0.0828	-0.0920	-0.0976	-0.0995	-0.0976	-0.0920	-0.0828
-0.1210	-0.1344	-0.1427	-0.1455	-0.1427	-0.1344	-0.1210
-0.1712	-0.1902	-0.2019	-0.2059	-0.2019	-0.1902	-0.1712
-0.2356	-0.2618	-0.2779	-0.2833	-0.2779	-0.2618	-0.2356
-0.3167	-0.3519	-0.3736	-0.3809	-0.3736	-0.3519	-0.3167
-0.4172	-0.4636	-0.4922	-0.5018	-0.4922	-0.4636	-0.4172
-0.5400	-0.6000	-0.6370	-0.6494	-0.6370	-0.6000	-0.5400
Columns 29 through 33						
0	0	0	0	0	0	0
-0.0001	-0.0001	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
-0.0003	-0.0002	-0.0001	-0.0001	-0.0001	-0.0000	-0.0000
-0.0008	-0.0006	-0.0004	-0.0002	-0.0000	-0.0000	-0.0000
-0.0020	-0.0016	-0.0011	-0.0006	-0.0000	-0.0000	-0.0000
-0.0047	-0.0037	-0.0025	-0.0013	-0.0000	-0.0000	-0.0000
-0.0094	-0.0074	-0.0051	-0.0026	-0.0000	-0.0000	-0.0000
-0.0171	-0.0135	-0.0093	-0.0047	-0.0000	-0.0000	-0.0000
-0.0290	-0.0228	-0.0157	-0.0080	-0.0000	-0.0000	-0.0000
-0.0463	-0.0364	-0.0251	-0.0128	-0.0000	-0.0000	-0.0000
-0.0704	-0.0553	-0.0381	-0.0194	-0.0000	-0.0000	-0.0000
-0.1029	-0.0808	-0.0557	-0.0284	-0.0000	-0.0000	-0.0000
-0.1456	-0.1144	-0.0788	-0.0402	-0.0000	-0.0000	-0.0000
-0.2003	-0.1574	-0.1084	-0.0553	-0.0000	-0.0000	-0.0000
-0.2693	-0.2116	-0.1458	-0.0743	-0.0000	-0.0000	-0.0000
-0.3548	-0.2788	-0.1920	-0.0979	-0.0000	-0.0000	-0.0000
-0.4592	-0.3608	-0.2485	-0.1267	-0.0000	-0.0000	-0.0000
(:, :, 13) =						
Columns 1 through 7						
0	0	0	0	0	0	0
0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001
0.0000	0.0001	0.0001	0.0002	0.0002	0.0003	0.0003
0.0000	0.0002	0.0004	0.0005	0.0007	0.0008	0.0009
-0.0000	0.0005	0.0010	0.0014	0.0018	0.0022	0.0024
-0.0000	0.0012	0.0023	0.0033	0.0042	0.0050	0.0055
-0.0000	0.0023	0.0046	0.0067	0.0085	0.0100	0.0111
-0.0000	0.0043	0.0084	0.0122	0.0155	0.0182	0.0203
-0.0000	0.0072	0.0142	0.0206	0.0263	0.0309	0.0343
-0.0000	0.0116	0.0227	0.0329	0.0419	0.0493	0.0547
-0.0000	0.0176	0.0345	0.0501	0.0637	0.0749	0.0832
-0.0000	0.0257	0.0504	0.0732	0.0931	0.1095	0.1217
-0.0000	0.0363	0.0713	0.1035	0.1317	0.1549	0.1721
-0.0000	0.0500	0.0981	0.1425	0.1813	0.2132	0.2369
-0.0000	0.0673	0.1319	0.1915	0.2438	0.2867	0.3185
-0.0000	0.0886	0.1738	0.2523	0.3211	0.3776	0.4196
0	0.1147	0.2249	0.3266	0.4156	0.4887	0.5430
Columns 8 through 14						
0	0	0	0	0	0	0
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
0.0003	0.0003	0.0003	0.0003	0.0003	0.0002	0.0002
0.0010	0.0010	0.0010	0.0009	0.0008	0.0007	0.0005
0.0026	0.0026	0.0026	0.0024	0.0022	0.0018	0.0014
0.0058	0.0060	0.0058	0.0055	0.0050	0.0042	0.0033
0.0118	0.0120	0.0118	0.0111	0.0100	0.0085	0.0067
0.0215	0.0219	0.0215	0.0203	0.0182	0.0155	0.0122
0.0364	0.0372	0.0364	0.0343	0.0309	0.0263	0.0206
0.0581	0.0593	0.0581	0.0547	0.0493	0.0419	0.0329
0.0884	0.0901	0.0884	0.0832	0.0749	0.0637	0.0501
0.1292	0.1317	0.1292	0.1217	0.1095	0.0931	0.0732
0.1827	0.1863	0.1827	0.1721	0.1549	0.1317	0.1035
0.2515	0.2564	0.2515	0.2369	0.2132	0.1813	0.1425

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0.3381    0.3448    0.3381    0.3185    0.2867    0.2438    0.1915
0.4454    0.4542    0.4454    0.4196    0.3776    0.3211    0.2523
0.5765    0.5878    0.5765    0.5430    0.4887    0.4156    0.3266
Columns 15 through 21
0          0          0          0          0          0          0
0.0000    0.0000   -0.0000   -0.0000   -0.0000   -0.0001   -0.0001
0.0001    0.0001   -0.0000   -0.0001   -0.0001   -0.0002   -0.0002
0.0004    0.0002   -0.0000   -0.0002   -0.0004   -0.0005   -0.0007
0.0010    0.0005   -0.0000   -0.0005   -0.0010   -0.0014   -0.0018
0.0023    0.0012   -0.0000   -0.0012   -0.0023   -0.0033   -0.0042
0.0046    0.0023   -0.0000   -0.0023   -0.0046   -0.0067   -0.0085
0.0084    0.0043    0.0000   -0.0043   -0.0084   -0.0122   -0.0155
0.0142    0.0072    0.0000   -0.0072   -0.0142   -0.0206   -0.0263
0.0227    0.0116    0.0000   -0.0116   -0.0227   -0.0329   -0.0419
0.0345    0.0176    0.0000   -0.0176   -0.0345   -0.0501   -0.0637
0.0504    0.0257    0.0000   -0.0257   -0.0504   -0.0732   -0.0931
0.0713    0.0363    0.0000   -0.0363   -0.0713   -0.1035   -0.1317
0.0981    0.0500    0.0000   -0.0500   -0.0981   -0.1425   -0.1813
0.1319    0.0673    0.0000   -0.0673   -0.1319   -0.1915   -0.2438
0.1738    0.0886    0.0000   -0.0886   -0.1738   -0.2523   -0.3211
0.2249    0.1147    0.0000   -0.1147   -0.2249   -0.3266   -0.4156
Columns 22 through 28
0          0          0          0          0          0          0
-0.0001   -0.0001   -0.0001   -0.0001   -0.0001   -0.0001   -0.0001
-0.0003   -0.0003   -0.0003   -0.0003   -0.0003   -0.0003   -0.0003
-0.0008   -0.0009   -0.0010   -0.0010   -0.0010   -0.0009   -0.0008
-0.0022   -0.0024   -0.0026   -0.0026   -0.0026   -0.0024   -0.0022
-0.0050   -0.0055   -0.0058   -0.0060   -0.0058   -0.0055   -0.0050
-0.0100   -0.0111   -0.0118   -0.0120   -0.0118   -0.0111   -0.0100
-0.0182   -0.0203   -0.0215   -0.0219   -0.0215   -0.0203   -0.0182
-0.0309   -0.0343   -0.0364   -0.0372   -0.0364   -0.0343   -0.0309
-0.0493   -0.0547   -0.0581   -0.0593   -0.0581   -0.0547   -0.0493
-0.0749   -0.0832   -0.0884   -0.0901   -0.0884   -0.0832   -0.0749
-0.1095   -0.1217   -0.1292   -0.1317   -0.1292   -0.1217   -0.1095
-0.1549   -0.1721   -0.1827   -0.1863   -0.1827   -0.1721   -0.1549
-0.2132   -0.2369   -0.2515   -0.2564   -0.2515   -0.2369   -0.2132
-0.2867   -0.3185   -0.3381   -0.3448   -0.3381   -0.3185   -0.2867
-0.3776   -0.4196   -0.4454   -0.4542   -0.4454   -0.4196   -0.3776
-0.4887   -0.5430   -0.5765   -0.5878   -0.5765   -0.5430   -0.4887
Columns 29 through 33
0          0          0          0          0
-0.0001   -0.0001   -0.0000   -0.0000   0.0000
-0.0002   -0.0002   -0.0001   -0.0001   0.0000
-0.0007   -0.0005   -0.0004   -0.0002   0.0000
-0.0018   -0.0014   -0.0010   -0.0005   -0.0000
-0.0042   -0.0033   -0.0023   -0.0012   -0.0000
-0.0085   -0.0067   -0.0046   -0.0023   -0.0000
-0.0155   -0.0122   -0.0084   -0.0043   -0.0000
-0.0263   -0.0206   -0.0142   -0.0072   -0.0000
-0.0419   -0.0329   -0.0227   -0.0116   -0.0000
-0.0637   -0.0501   -0.0345   -0.0176   -0.0000
-0.0931   -0.0732   -0.0504   -0.0257   -0.0000
-0.1317   -0.1035   -0.0713   -0.0363   -0.0000
-0.1813   -0.1425   -0.0981   -0.0500   -0.0000
-0.2438   -0.1915   -0.1319   -0.0673   -0.0000
-0.3211   -0.2523   -0.1738   -0.0886   -0.0000
-0.4156   -0.3266   -0.2249   -0.1147   -0.0000
(:, : , 14) =
Columns 1 through 7
0          0          0          0          0          0          0
-0.0000    0.0000    0.0000    0.0001    0.0001    0.0001    0.0001
0.0000    0.0001    0.0001    0.0002    0.0002    0.0002    0.0003
0.0000    0.0002    0.0003    0.0005    0.0006    0.0007    0.0008
-0.0000    0.0005    0.0009    0.0013    0.0016    0.0019    0.0022
-0.0000    0.0010    0.0020    0.0030    0.0038    0.0044    0.0049
-0.0000    0.0021    0.0041    0.0059    0.0076    0.0089    0.0099
-0.0000    0.0038    0.0075    0.0108    0.0138    0.0162    0.0180
-0.0000    0.0064    0.0126    0.0184    0.0234    0.0275    0.0305
-0.0000    0.0103    0.0202    0.0293    0.0373    0.0438    0.0487
-0.0000    0.0156    0.0307    0.0445    0.0566    0.0666    0.0740

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-0.0000	0.0228	0.0448	0.0650	0.0828	0.0973	0.1082
-0.0000	0.0323	0.0634	0.0920	0.1171	0.1377	0.1530
-0.0000	0.0445	0.0872	0.1266	0.1612	0.1895	0.2106
-0.0000	0.0598	0.1173	0.1703	0.2167	0.2548	0.2831
-0.0000	0.0788	0.1545	0.2243	0.2855	0.3357	0.3730
0	0.1019	0.2000	0.2903	0.3695	0.4344	0.4827
Columns 8 through 14						
0	0	0	0	0	0	0
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
0.0003	0.0003	0.0003	0.0003	0.0002	0.0002	0.0002
0.0009	0.0009	0.0009	0.0008	0.0007	0.0006	0.0005
0.0023	0.0023	0.0023	0.0022	0.0019	0.0016	0.0013
0.0052	0.0053	0.0052	0.0049	0.0044	0.0038	0.0030
0.0105	0.0107	0.0105	0.0099	0.0089	0.0076	0.0059
0.0191	0.0195	0.0191	0.0180	0.0162	0.0138	0.0108
0.0324	0.0330	0.0324	0.0305	0.0275	0.0234	0.0184
0.0517	0.0527	0.0517	0.0487	0.0438	0.0373	0.0293
0.0786	0.0801	0.0786	0.0740	0.0666	0.0566	0.0445
0.1148	0.1171	0.1148	0.1082	0.0973	0.0828	0.0650
0.1624	0.1656	0.1624	0.1530	0.1377	0.1171	0.0920
0.2236	0.2280	0.2236	0.2106	0.1895	0.1612	0.1266
0.3006	0.3065	0.3006	0.2831	0.2548	0.2167	0.1703
0.3960	0.4037	0.3960	0.3730	0.3357	0.2855	0.2243
0.5125	0.5225	0.5125	0.4827	0.4344	0.3695	0.2903
Columns 15 through 21						
0	0	0	0	0	0	0
0.0000	0.0000	-0.0000	-0.0000	-0.0000	-0.0001	-0.0001
0.0001	0.0001	-0.0000	-0.0001	-0.0001	-0.0002	-0.0002
0.0003	0.0002	-0.0000	-0.0002	-0.0003	-0.0005	-0.0006
0.0009	0.0005	-0.0000	-0.0005	-0.0009	-0.0013	-0.0016
0.0020	0.0010	-0.0000	-0.0010	-0.0020	-0.0030	-0.0038
0.0041	0.0021	-0.0000	-0.0021	-0.0041	-0.0059	-0.0076
0.0075	0.0038	0.0000	-0.0038	-0.0075	-0.0108	-0.0138
0.0126	0.0064	0.0000	-0.0064	-0.0126	-0.0184	-0.0234
0.0202	0.0103	0.0000	-0.0103	-0.0202	-0.0293	-0.0373
0.0307	0.0156	0.0000	-0.0156	-0.0307	-0.0445	-0.0566
0.0448	0.0228	0.0000	-0.0228	-0.0448	-0.0650	-0.0828
0.0634	0.0323	0.0000	-0.0323	-0.0634	-0.0920	-0.1171
0.0872	0.0445	0.0000	-0.0445	-0.0872	-0.1266	-0.1612
0.1173	0.0598	0.0000	-0.0598	-0.1173	-0.1703	-0.2167
0.1545	0.0788	0.0000	-0.0788	-0.1545	-0.2243	-0.2855
0.2000	0.1019	0.0000	-0.1019	-0.2000	-0.2903	-0.3695
Columns 22 through 28						
0	0	0	0	0	0	0
-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001
-0.0002	-0.0003	-0.0003	-0.0003	-0.0003	-0.0003	-0.0002
-0.0007	-0.0008	-0.0009	-0.0009	-0.0009	-0.0008	-0.0007
-0.0019	-0.0022	-0.0023	-0.0023	-0.0023	-0.0022	-0.0019
-0.0044	-0.0049	-0.0052	-0.0053	-0.0052	-0.0049	-0.0044
-0.0089	-0.0099	-0.0105	-0.0107	-0.0105	-0.0099	-0.0089
-0.0162	-0.0180	-0.0191	-0.0195	-0.0191	-0.0180	-0.0162
-0.0275	-0.0305	-0.0324	-0.0330	-0.0324	-0.0305	-0.0275
-0.0438	-0.0487	-0.0517	-0.0527	-0.0517	-0.0487	-0.0438
-0.0666	-0.0740	-0.0786	-0.0801	-0.0786	-0.0740	-0.0666
-0.0973	-0.1082	-0.1148	-0.1171	-0.1148	-0.1082	-0.0973
-0.1377	-0.1530	-0.1624	-0.1656	-0.1624	-0.1530	-0.1377
-0.1895	-0.2106	-0.2236	-0.2280	-0.2236	-0.2106	-0.1895
-0.2548	-0.2831	-0.3006	-0.3065	-0.3006	-0.2831	-0.2548
-0.3357	-0.3730	-0.3960	-0.4037	-0.3960	-0.3730	-0.3357
-0.4344	-0.4827	-0.5125	-0.5225	-0.5125	-0.4827	-0.4344
Columns 29 through 33						
0	0	0	0	0	0	0
-0.0001	-0.0001	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
-0.0002	-0.0002	-0.0001	-0.0001	0.0000	0.0000	0.0000
-0.0006	-0.0005	-0.0003	-0.0002	0.0000	0.0000	0.0000
-0.0016	-0.0013	-0.0009	-0.0005	-0.0000	-0.0000	-0.0000
-0.0038	-0.0030	-0.0020	-0.0010	-0.0000	-0.0000	-0.0000
-0.0076	-0.0059	-0.0041	-0.0021	-0.0000	-0.0000	-0.0000
-0.0138	-0.0108	-0.0075	-0.0038	-0.0000	-0.0000	-0.0000
-0.0234	-0.0184	-0.0126	-0.0064	-0.0000	-0.0000	-0.0000

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-0.0373  -0.0293  -0.0202  -0.0103  -0.0000
-0.0566  -0.0445  -0.0307  -0.0156  -0.0000
-0.0828  -0.0650  -0.0448  -0.0228  -0.0000
-0.1171  -0.0920  -0.0634  -0.0323  -0.0000
-0.1612  -0.1266  -0.0872  -0.0445  -0.0000
-0.2167  -0.1703  -0.1173  -0.0598  -0.0000
-0.2855  -0.2243  -0.1545  -0.0788  -0.0000
-0.3695  -0.2903  -0.2000  -0.1019  -0.0000
(:, : , 15) =
Columns 1 through 7
    0         0         0         0         0         0         0
-0.0000    0.0000    0.0000    0.0000    0.0001    0.0001    0.0001
-0.0000    0.0001    0.0001    0.0001    0.0002    0.0002    0.0002
-0.0000    0.0002    0.0003    0.0004    0.0005    0.0006    0.0007
-0.0000    0.0004    0.0008    0.0011    0.0014    0.0017    0.0019
-0.0000    0.0009    0.0018    0.0026    0.0033    0.0038    0.0043
-0.0000    0.0018    0.0036    0.0052    0.0066    0.0077    0.0086
-0.0000    0.0033    0.0065    0.0094    0.0120    0.0141    0.0157
-0.0000    0.0056    0.0110    0.0160    0.0203    0.0239    0.0265
-0.0000    0.0089    0.0175    0.0254    0.0324    0.0381    0.0423
-0.0000    0.0136    0.0266    0.0387    0.0492    0.0579    0.0643
-0.0000    0.0198    0.0389    0.0565    0.0719    0.0846    0.0940
-0.0000    0.0281    0.0551    0.0800    0.1018    0.1197    0.1330
-0.0000    0.0386    0.0758    0.1100    0.1401    0.1647    0.1830
-0.0000    0.0520    0.1019    0.1479    0.1883    0.2214    0.2460
-0.0000    0.0684    0.1342    0.1949    0.2480    0.2917    0.3241
    0         0.0886    0.1737    0.2522    0.3210    0.3775    0.4194
Columns 8 through 14
    0         0         0         0         0         0         0
    0.0001    0.0001    0.0001    0.0001    0.0001    0.0001    0.0000
    0.0003    0.0003    0.0003    0.0002    0.0002    0.0002    0.0001
    0.0008    0.0008    0.0008    0.0007    0.0006    0.0005    0.0004
    0.0020    0.0020    0.0020    0.0019    0.0017    0.0014    0.0011
    0.0045    0.0046    0.0045    0.0043    0.0038    0.0033    0.0026
    0.0091    0.0093    0.0091    0.0086    0.0077    0.0066    0.0052
    0.0166    0.0170    0.0166    0.0157    0.0141    0.0120    0.0094
    0.0282    0.0287    0.0282    0.0265    0.0239    0.0203    0.0160
    0.0449    0.0458    0.0449    0.0423    0.0381    0.0324    0.0254
    0.0683    0.0696    0.0683    0.0643    0.0579    0.0492    0.0387
    0.0998    0.1017    0.0998    0.0940    0.0846    0.0719    0.0565
    0.1412    0.1439    0.1412    0.1330    0.1197    0.1018    0.0800
    0.1943    0.1981    0.1943    0.1830    0.1647    0.1401    0.1100
    0.2612    0.2663    0.2612    0.2460    0.2214    0.1883    0.1479
    0.3440    0.3508    0.3440    0.3241    0.2917    0.2480    0.1949
    0.4453    0.4540    0.4453    0.4194    0.3775    0.3210    0.2522
Columns 15 through 21
    0         0         0         0         0         0         0
    0.0000    0.0000   -0.0000   -0.0000   -0.0000   -0.0000   -0.0001
    0.0001    0.0001   -0.0000   -0.0001   -0.0001   -0.0001   -0.0002
    0.0003    0.0002   -0.0000   -0.0002   -0.0003   -0.0004   -0.0005
    0.0008    0.0004   -0.0000   -0.0004   -0.0008   -0.0011   -0.0014
    0.0018    0.0009   -0.0000   -0.0009   -0.0018   -0.0026   -0.0033
    0.0036    0.0018   -0.0000   -0.0018   -0.0036   -0.0052   -0.0066
    0.0065    0.0033    0.0000   -0.0033   -0.0065   -0.0094   -0.0120
    0.0110    0.0056    0.0000   -0.0056   -0.0110   -0.0160   -0.0203
    0.0175    0.0089    0.0000   -0.0089   -0.0175   -0.0254   -0.0324
    0.0266    0.0136    0.0000   -0.0136   -0.0266   -0.0387   -0.0492
    0.0389    0.0198    0.0000   -0.0198   -0.0389   -0.0565   -0.0719
    0.0551    0.0281    0.0000   -0.0281   -0.0551   -0.0800   -0.1018
    0.0758    0.0386    0.0000   -0.0386   -0.0758   -0.1100   -0.1401
    0.1019    0.0520    0.0000   -0.0520   -0.1019   -0.1479   -0.1883
    0.1342    0.0684    0.0000   -0.0684   -0.1342   -0.1949   -0.2480
    0.1737    0.0886    0.0000   -0.0886   -0.1737   -0.2522   -0.3210
Columns 22 through 28
    0         0         0         0         0         0         0
   -0.0001   -0.0001   -0.0001   -0.0001   -0.0001   -0.0001   -0.0001
   -0.0002   -0.0002   -0.0003   -0.0003   -0.0003   -0.0002   -0.0002
   -0.0006   -0.0007   -0.0008   -0.0008   -0.0008   -0.0007   -0.0006
   -0.0017   -0.0019   -0.0020   -0.0020   -0.0020   -0.0019   -0.0017
   -0.0038   -0.0043   -0.0045   -0.0046   -0.0045   -0.0043   -0.0038

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-0.0077	-0.0086	-0.0091	-0.0093	-0.0091	-0.0086	-0.0077
-0.0141	-0.0157	-0.0166	-0.0170	-0.0166	-0.0157	-0.0141
-0.0239	-0.0265	-0.0282	-0.0287	-0.0282	-0.0265	-0.0239
-0.0381	-0.0423	-0.0449	-0.0458	-0.0449	-0.0423	-0.0381
-0.0579	-0.0643	-0.0683	-0.0696	-0.0683	-0.0643	-0.0579
-0.0846	-0.0940	-0.0998	-0.1017	-0.0998	-0.0940	-0.0846
-0.1197	-0.1330	-0.1412	-0.1439	-0.1412	-0.1330	-0.1197
-0.1647	-0.1830	-0.1943	-0.1981	-0.1943	-0.1830	-0.1647
-0.2214	-0.2460	-0.2612	-0.2663	-0.2612	-0.2460	-0.2214
-0.2917	-0.3241	-0.3440	-0.3508	-0.3440	-0.3241	-0.2917
-0.3775	-0.4194	-0.4453	-0.4540	-0.4453	-0.4194	-0.3775
Columns 29 through 33						
0	0	0	0	0	0	0
-0.0001	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
-0.0002	-0.0001	-0.0001	-0.0001	-0.0001	-0.0000	-0.0000
-0.0005	-0.0004	-0.0003	-0.0002	-0.0002	-0.0000	-0.0000
-0.0014	-0.0011	-0.0008	-0.0004	-0.0004	-0.0000	-0.0000
-0.0033	-0.0026	-0.0018	-0.0009	-0.0009	-0.0000	-0.0000
-0.0066	-0.0052	-0.0036	-0.0018	-0.0018	-0.0000	-0.0000
-0.0120	-0.0094	-0.0065	-0.0033	-0.0033	-0.0000	-0.0000
-0.0203	-0.0160	-0.0110	-0.0056	-0.0056	-0.0000	-0.0000
-0.0324	-0.0254	-0.0175	-0.0089	-0.0089	-0.0000	-0.0000
-0.0492	-0.0387	-0.0266	-0.0136	-0.0136	-0.0000	-0.0000
-0.0719	-0.0565	-0.0389	-0.0198	-0.0198	-0.0000	-0.0000
-0.1018	-0.0800	-0.0551	-0.0281	-0.0281	-0.0000	-0.0000
-0.1401	-0.1100	-0.0758	-0.0386	-0.0386	-0.0000	-0.0000
-0.1883	-0.1479	-0.1019	-0.0520	-0.0520	-0.0000	-0.0000
-0.2480	-0.1949	-0.1342	-0.0684	-0.0684	-0.0000	-0.0000
-0.3210	-0.2522	-0.1737	-0.0886	-0.0886	-0.0000	-0.0000
(:, :, 16) =						
Columns 1 through 7						
0	0	0	0	0	0	0
-0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001
-0.0000	0.0000	0.0001	0.0001	0.0002	0.0002	0.0002
-0.0000	0.0001	0.0003	0.0004	0.0005	0.0005	0.0006
-0.0000	0.0003	0.0007	0.0010	0.0012	0.0014	0.0016
-0.0000	0.0008	0.0015	0.0022	0.0028	0.0033	0.0036
-0.0000	0.0015	0.0030	0.0044	0.0056	0.0065	0.0073
-0.0000	0.0028	0.0055	0.0080	0.0101	0.0119	0.0132
-0.0000	0.0047	0.0093	0.0135	0.0171	0.0201	0.0224
-0.0000	0.0075	0.0148	0.0215	0.0273	0.0321	0.0357
-0.0000	0.0114	0.0225	0.0326	0.0415	0.0488	0.0542
-0.0000	0.0167	0.0328	0.0476	0.0606	0.0713	0.0792
-0.0000	0.0237	0.0464	0.0674	0.0858	0.1009	0.1121
-0.0000	0.0326	0.0639	0.0928	0.1181	0.1388	0.1543
-0.0000	0.0438	0.0859	0.1247	0.1587	0.1866	0.2074
-0.0000	0.0577	0.1132	0.1643	0.2091	0.2459	0.2732
0	0.0747	0.1464	0.2126	0.2706	0.3182	0.3536
Columns 8 through 14						
0	0	0	0	0	0	0
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000
0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001
0.0006	0.0007	0.0006	0.0006	0.0005	0.0005	0.0004
0.0017	0.0017	0.0017	0.0016	0.0014	0.0012	0.0010
0.0038	0.0039	0.0038	0.0036	0.0033	0.0028	0.0022
0.0077	0.0079	0.0077	0.0073	0.0065	0.0056	0.0044
0.0140	0.0143	0.0140	0.0132	0.0119	0.0101	0.0080
0.0238	0.0242	0.0238	0.0224	0.0201	0.0171	0.0135
0.0379	0.0386	0.0379	0.0357	0.0321	0.0273	0.0215
0.0576	0.0587	0.0576	0.0542	0.0488	0.0415	0.0326
0.0841	0.0858	0.0841	0.0792	0.0713	0.0606	0.0476
0.1190	0.1213	0.1190	0.1121	0.1009	0.0858	0.0674
0.1638	0.1670	0.1638	0.1543	0.1388	0.1181	0.0928
0.2202	0.2245	0.2202	0.2074	0.1866	0.1587	0.1247
0.2900	0.2957	0.2900	0.2732	0.2459	0.2091	0.1643
0.3753	0.3827	0.3753	0.3536	0.3182	0.2706	0.2126
Columns 15 through 21						
0	0	0	0	0	0	0
0.0000	0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0001
0.0001	0.0000	-0.0000	-0.0000	-0.0001	-0.0001	-0.0002

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0.0003    0.0001   -0.0000   -0.0001   -0.0003   -0.0004   -0.0005
0.0007    0.0003   -0.0000   -0.0003   -0.0007   -0.0010   -0.0012
0.0015    0.0008   -0.0000   -0.0008   -0.0015   -0.0022   -0.0028
0.0030    0.0015   -0.0000   -0.0015   -0.0030   -0.0044   -0.0056
0.0055    0.0028    0.0000   -0.0028   -0.0055   -0.0080   -0.0101
0.0093    0.0047    0.0000   -0.0047   -0.0093   -0.0135   -0.0171
0.0148    0.0075    0.0000   -0.0075   -0.0148   -0.0215   -0.0273
0.0225    0.0114    0.0000   -0.0114   -0.0225   -0.0326   -0.0415
0.0328    0.0167    0.0000   -0.0167   -0.0328   -0.0476   -0.0606
0.0464    0.0237    0.0000   -0.0237   -0.0464   -0.0674   -0.0858
0.0639    0.0326    0.0000   -0.0326   -0.0639   -0.0928   -0.1181
0.0859    0.0438    0.0000   -0.0438   -0.0859   -0.1247   -0.1587
0.1132    0.0577    0.0000   -0.0577   -0.1132   -0.1643   -0.2091
0.1464    0.0747    0.0000   -0.0747   -0.1464   -0.2126   -0.2706
Columns 22 through 28
0          0          0          0          0          0          0
-0.0001   -0.0001   -0.0001   -0.0001   -0.0001   -0.0001   -0.0001
-0.0002   -0.0002   -0.0002   -0.0002   -0.0002   -0.0002   -0.0002
-0.0005   -0.0006   -0.0006   -0.0007   -0.0006   -0.0006   -0.0005
-0.0014   -0.0016   -0.0017   -0.0017   -0.0017   -0.0016   -0.0014
-0.0033   -0.0036   -0.0038   -0.0039   -0.0038   -0.0036   -0.0033
-0.0065   -0.0073   -0.0077   -0.0079   -0.0077   -0.0073   -0.0065
-0.0119   -0.0132   -0.0140   -0.0143   -0.0140   -0.0132   -0.0119
-0.0201   -0.0224   -0.0238   -0.0242   -0.0238   -0.0224   -0.0201
-0.0321   -0.0357   -0.0379   -0.0386   -0.0379   -0.0357   -0.0321
-0.0488   -0.0542   -0.0576   -0.0587   -0.0576   -0.0542   -0.0488
-0.0713   -0.0792   -0.0841   -0.0858   -0.0841   -0.0792   -0.0713
-0.1009   -0.1121   -0.1190   -0.1213   -0.1190   -0.1121   -0.1009
-0.1388   -0.1543   -0.1638   -0.1670   -0.1638   -0.1543   -0.1388
-0.1866   -0.2074   -0.2202   -0.2245   -0.2202   -0.2074   -0.1866
-0.2459   -0.2732   -0.2900   -0.2957   -0.2900   -0.2732   -0.2459
-0.3182   -0.3536   -0.3753   -0.3827   -0.3753   -0.3536   -0.3182
Columns 29 through 33
0          0          0          0          0
-0.0001   -0.0000   -0.0000   -0.0000   -0.0000
-0.0002   -0.0001   -0.0001   -0.0000   -0.0000
-0.0005   -0.0004   -0.0003   -0.0001   -0.0000
-0.0012   -0.0010   -0.0007   -0.0003   -0.0000
-0.0028   -0.0022   -0.0015   -0.0008   -0.0000
-0.0056   -0.0044   -0.0030   -0.0015   -0.0000
-0.0101   -0.0080   -0.0055   -0.0028   -0.0000
-0.0171   -0.0135   -0.0093   -0.0047   -0.0000
-0.0273   -0.0215   -0.0148   -0.0075   -0.0000
-0.0415   -0.0326   -0.0225   -0.0114   -0.0000
-0.0606   -0.0476   -0.0328   -0.0167   -0.0000
-0.0858   -0.0674   -0.0464   -0.0237   -0.0000
-0.1181   -0.0928   -0.0639   -0.0326   -0.0000
-0.1587   -0.1247   -0.0859   -0.0438   -0.0000
-0.2091   -0.1643   -0.1132   -0.0577   -0.0000
-0.2706   -0.2126   -0.1464   -0.0747   -0.0000
(:, : , 17) =
Columns 1 through 7
0          0          0          0          0          0          0
-0.0000    0.0000    0.0000    0.0000    0.0000    0.0001    0.0001
-0.0000    0.0000    0.0001    0.0001    0.0001    0.0002    0.0002
-0.0000    0.0001    0.0002    0.0003    0.0004    0.0005    0.0005
-0.0000    0.0003    0.0005    0.0008    0.0010    0.0012    0.0013
-0.0000    0.0006    0.0012    0.0018    0.0022    0.0026    0.0029
-0.0000    0.0012    0.0024    0.0035    0.0045    0.0053    0.0059
-0.0000    0.0023    0.0044    0.0064    0.0082    0.0096    0.0107
-0.0000    0.0038    0.0075    0.0109    0.0138    0.0163    0.0181
-0.0000    0.0061    0.0119    0.0173    0.0221    0.0259    0.0288
-0.0000    0.0092    0.0181    0.0263    0.0335    0.0394    0.0438
-0.0000    0.0135    0.0265    0.0385    0.0490    0.0576    0.0640
-0.0000    0.0191    0.0375    0.0544    0.0693    0.0815    0.0905
-0.0000    0.0263    0.0516    0.0749    0.0953    0.1121    0.1246
-0.0000    0.0354    0.0694    0.1007    0.1282    0.1507    0.1675
-0.0000    0.0466    0.0914    0.1327    0.1688    0.1985    0.2206
0          0.0603    0.1183    0.1717    0.2185    0.2569    0.2855
Columns 8 through 14

```

0	0	0	0	0	0	0
0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000
0.0002	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001
0.0005	0.0005	0.0005	0.0005	0.0005	0.0004	0.0003
0.0014	0.0014	0.0014	0.0013	0.0012	0.0010	0.0008
0.0031	0.0032	0.0031	0.0029	0.0026	0.0022	0.0018
0.0062	0.0064	0.0062	0.0059	0.0053	0.0045	0.0035
0.0114	0.0116	0.0114	0.0107	0.0096	0.0082	0.0064
0.0192	0.0196	0.0192	0.0181	0.0163	0.0138	0.0109
0.0306	0.0312	0.0306	0.0288	0.0259	0.0221	0.0173
0.0465	0.0474	0.0465	0.0438	0.0394	0.0335	0.0263
0.0679	0.0693	0.0679	0.0640	0.0576	0.0490	0.0385
0.0961	0.0980	0.0961	0.0905	0.0815	0.0693	0.0544
0.1322	0.1348	0.1322	0.1246	0.1121	0.0953	0.0749
0.1778	0.1813	0.1778	0.1675	0.1507	0.1282	0.1007
0.2342	0.2388	0.2342	0.2206	0.1985	0.1688	0.1327
0.3031	0.3090	0.3031	0.2855	0.2569	0.2185	0.1717
Columns 15 through 21						
0	0	0	0	0	0	0
0.0000	0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
0.0001	0.0000	-0.0000	-0.0000	-0.0001	-0.0001	-0.0001
0.0002	0.0001	-0.0000	-0.0001	-0.0002	-0.0003	-0.0004
0.0005	0.0003	-0.0000	-0.0003	-0.0005	-0.0008	-0.0010
0.0012	0.0006	-0.0000	-0.0006	-0.0012	-0.0018	-0.0022
0.0024	0.0012	-0.0000	-0.0012	-0.0024	-0.0035	-0.0045
0.0044	0.0023	0.0000	-0.0023	-0.0044	-0.0064	-0.0082
0.0075	0.0038	0.0000	-0.0038	-0.0075	-0.0109	-0.0138
0.0119	0.0061	0.0000	-0.0061	-0.0119	-0.0173	-0.0221
0.0181	0.0092	0.0000	-0.0092	-0.0181	-0.0263	-0.0335
0.0265	0.0135	0.0000	-0.0135	-0.0265	-0.0385	-0.0490
0.0375	0.0191	0.0000	-0.0191	-0.0375	-0.0544	-0.0693
0.0516	0.0263	0.0000	-0.0263	-0.0516	-0.0749	-0.0953
0.0694	0.0354	0.0000	-0.0354	-0.0694	-0.1007	-0.1282
0.0914	0.0466	0.0000	-0.0466	-0.0914	-0.1327	-0.1688
0.1183	0.0603	0.0000	-0.0603	-0.1183	-0.1717	-0.2185
Columns 22 through 28						
0	0	0	0	0	0	0
-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001
-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005
-0.0012	-0.0013	-0.0014	-0.0014	-0.0014	-0.0013	-0.0012
-0.0026	-0.0029	-0.0031	-0.0032	-0.0031	-0.0029	-0.0026
-0.0053	-0.0059	-0.0062	-0.0064	-0.0062	-0.0059	-0.0053
-0.0096	-0.0107	-0.0114	-0.0116	-0.0114	-0.0107	-0.0096
-0.0163	-0.0181	-0.0192	-0.0196	-0.0192	-0.0181	-0.0163
-0.0259	-0.0288	-0.0306	-0.0312	-0.0306	-0.0288	-0.0259
-0.0394	-0.0438	-0.0465	-0.0474	-0.0465	-0.0438	-0.0394
-0.0576	-0.0640	-0.0679	-0.0693	-0.0679	-0.0640	-0.0576
-0.0815	-0.0905	-0.0961	-0.0980	-0.0961	-0.0905	-0.0815
-0.1121	-0.1246	-0.1322	-0.1348	-0.1322	-0.1246	-0.1121
-0.1507	-0.1675	-0.1778	-0.1813	-0.1778	-0.1675	-0.1507
-0.1985	-0.2206	-0.2342	-0.2388	-0.2342	-0.2206	-0.1985
-0.2569	-0.2855	-0.3031	-0.3090	-0.3031	-0.2855	-0.2569
Columns 29 through 33						
0	0	0	0	0	0	0
-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
-0.0001	-0.0001	-0.0001	-0.0000	-0.0000	-0.0000	-0.0000
-0.0004	-0.0003	-0.0002	-0.0001	-0.0000	-0.0000	-0.0000
-0.0010	-0.0008	-0.0005	-0.0003	-0.0000	-0.0000	-0.0000
-0.0022	-0.0018	-0.0012	-0.0006	-0.0000	-0.0000	-0.0000
-0.0045	-0.0035	-0.0024	-0.0012	-0.0000	-0.0000	-0.0000
-0.0082	-0.0064	-0.0044	-0.0023	-0.0000	-0.0000	-0.0000
-0.0138	-0.0109	-0.0075	-0.0038	-0.0000	-0.0000	-0.0000
-0.0221	-0.0173	-0.0119	-0.0061	-0.0000	-0.0000	-0.0000
-0.0335	-0.0263	-0.0181	-0.0092	-0.0000	-0.0000	-0.0000
-0.0490	-0.0385	-0.0265	-0.0135	-0.0000	-0.0000	-0.0000
-0.0693	-0.0544	-0.0375	-0.0191	-0.0000	-0.0000	-0.0000
-0.0953	-0.0749	-0.0516	-0.0263	-0.0000	-0.0000	-0.0000
-0.1282	-0.1007	-0.0694	-0.0354	-0.0000	-0.0000	-0.0000
-0.1688	-0.1327	-0.0914	-0.0466	-0.0000	-0.0000	-0.0000

```

-0.2185  -0.1717  -0.1183  -0.0603  -0.0000
(:, : , 18) =
Columns 1 through 7
0         0         0         0         0         0         0
-0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0001
-0.0000   0.0000   0.0001   0.0001   0.0001   0.0001   0.0001
-0.0000   0.0001   0.0002   0.0002   0.0003   0.0004   0.0004
-0.0000   0.0002   0.0004   0.0006   0.0008   0.0009   0.0010
-0.0000   0.0005   0.0009   0.0013   0.0017   0.0020   0.0022
-0.0000   0.0009   0.0019   0.0027   0.0034   0.0040   0.0045
-0.0000   0.0017   0.0034   0.0049   0.0062   0.0073   0.0081
-0.0000   0.0029   0.0057   0.0082   0.0105   0.0123   0.0137
-0.0000   0.0046   0.0090   0.0131   0.0167   0.0196   0.0218
-0.0000   0.0070   0.0137   0.0199   0.0253   0.0298   0.0331
-0.0000   0.0102   0.0200   0.0291   0.0370   0.0435   0.0484
-0.0000   0.0144   0.0283   0.0411   0.0524   0.0616   0.0684
-0.0000   0.0199   0.0390   0.0566   0.0720   0.0847   0.0941
-0.0000   0.0267   0.0524   0.0761   0.0968   0.1139   0.1265
-0.0000   0.0352   0.0690   0.1002   0.1276   0.1500   0.1667
0         0.0455   0.0893   0.1297   0.1651   0.1941   0.2157
Columns 8 through 14
0         0         0         0         0         0         0
0.0001   0.0001   0.0001   0.0001   0.0000   0.0000   0.0000
0.0002   0.0002   0.0002   0.0001   0.0001   0.0001   0.0001
0.0004   0.0004   0.0004   0.0004   0.0004   0.0003   0.0002
0.0011   0.0011   0.0011   0.0010   0.0009   0.0008   0.0006
0.0024   0.0024   0.0024   0.0022   0.0020   0.0017   0.0013
0.0047   0.0048   0.0047   0.0045   0.0040   0.0034   0.0027
0.0086   0.0088   0.0086   0.0081   0.0073   0.0062   0.0049
0.0145   0.0148   0.0145   0.0137   0.0123   0.0105   0.0082
0.0231   0.0236   0.0231   0.0218   0.0196   0.0167   0.0131
0.0351   0.0358   0.0351   0.0331   0.0298   0.0253   0.0199
0.0513   0.0524   0.0513   0.0484   0.0435   0.0370   0.0291
0.0726   0.0740   0.0726   0.0684   0.0616   0.0524   0.0411
0.0999   0.1019   0.0999   0.0941   0.0847   0.0720   0.0566
0.1343   0.1369   0.1343   0.1265   0.1139   0.0968   0.0761
0.1769   0.1804   0.1769   0.1667   0.1500   0.1276   0.1002
0.2290   0.2334   0.2290   0.2157   0.1941   0.1651   0.1297
Columns 15 through 21
0         0         0         0         0         0         0
0.0000   0.0000  -0.0000  -0.0000  -0.0000  -0.0000  -0.0000
0.0001   0.0000  -0.0000  -0.0000  -0.0001  -0.0001  -0.0001
0.0002   0.0001  -0.0000  -0.0001  -0.0002  -0.0002  -0.0003
0.0004   0.0002  -0.0000  -0.0002  -0.0004  -0.0006  -0.0008
0.0009   0.0005  -0.0000  -0.0005  -0.0009  -0.0013  -0.0017
0.0019   0.0009  -0.0000  -0.0009  -0.0019  -0.0027  -0.0034
0.0034   0.0017   0.0000  -0.0017  -0.0034  -0.0049  -0.0062
0.0057   0.0029   0.0000  -0.0029  -0.0057  -0.0082  -0.0105
0.0090   0.0046   0.0000  -0.0046  -0.0090  -0.0131  -0.0167
0.0137   0.0070   0.0000  -0.0070  -0.0137  -0.0199  -0.0253
0.0200   0.0102   0.0000  -0.0102  -0.0200  -0.0291  -0.0370
0.0283   0.0144   0.0000  -0.0144  -0.0283  -0.0411  -0.0524
0.0390   0.0199   0.0000  -0.0199  -0.0390  -0.0566  -0.0720
0.0524   0.0267   0.0000  -0.0267  -0.0524  -0.0761  -0.0968
0.0690   0.0352   0.0000  -0.0352  -0.0690  -0.1002  -0.1276
0.0893   0.0455   0.0000  -0.0455  -0.0893  -0.1297  -0.1651
Columns 22 through 28
0         0         0         0         0         0         0
-0.0000  -0.0001  -0.0001  -0.0001  -0.0001  -0.0001  -0.0000
-0.0001  -0.0001  -0.0002  -0.0002  -0.0002  -0.0001  -0.0001
-0.0004  -0.0004  -0.0004  -0.0004  -0.0004  -0.0004  -0.0004
-0.0009  -0.0010  -0.0011  -0.0011  -0.0011  -0.0010  -0.0009
-0.0020  -0.0022  -0.0024  -0.0024  -0.0024  -0.0022  -0.0020
-0.0040  -0.0045  -0.0047  -0.0048  -0.0047  -0.0045  -0.0040
-0.0073  -0.0081  -0.0086  -0.0088  -0.0086  -0.0081  -0.0073
-0.0123  -0.0137  -0.0145  -0.0148  -0.0145  -0.0137  -0.0123
-0.0196  -0.0218  -0.0231  -0.0236  -0.0231  -0.0218  -0.0196
-0.0298  -0.0331  -0.0351  -0.0358  -0.0351  -0.0331  -0.0298
-0.0435  -0.0484  -0.0513  -0.0524  -0.0513  -0.0484  -0.0435
-0.0616  -0.0684  -0.0726  -0.0740  -0.0726  -0.0684  -0.0616

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-0.0847	-0.0941	-0.0999	-0.1019	-0.0999	-0.0941	-0.0847
-0.1139	-0.1265	-0.1343	-0.1369	-0.1343	-0.1265	-0.1139
-0.1500	-0.1667	-0.1769	-0.1804	-0.1769	-0.1667	-0.1500
-0.1941	-0.2157	-0.2290	-0.2334	-0.2290	-0.2157	-0.1941
Columns 29 through 33						
0	0	0	0	0	0	0
-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
-0.0001	-0.0001	-0.0001	-0.0000	-0.0000	-0.0000	-0.0000
-0.0003	-0.0002	-0.0002	-0.0001	-0.0000	-0.0000	-0.0000
-0.0008	-0.0006	-0.0004	-0.0002	-0.0000	-0.0000	-0.0000
-0.0017	-0.0013	-0.0009	-0.0005	-0.0000	-0.0000	-0.0000
-0.0034	-0.0027	-0.0019	-0.0009	-0.0000	-0.0000	-0.0000
-0.0062	-0.0049	-0.0034	-0.0017	-0.0000	-0.0000	-0.0000
-0.0105	-0.0082	-0.0057	-0.0029	-0.0000	-0.0000	-0.0000
-0.0167	-0.0131	-0.0090	-0.0046	-0.0000	-0.0000	-0.0000
-0.0253	-0.0199	-0.0137	-0.0070	-0.0000	-0.0000	-0.0000
-0.0370	-0.0291	-0.0200	-0.0102	-0.0000	-0.0000	-0.0000
-0.0524	-0.0411	-0.0283	-0.0144	-0.0000	-0.0000	-0.0000
-0.0720	-0.0566	-0.0390	-0.0199	-0.0000	-0.0000	-0.0000
-0.0968	-0.0761	-0.0524	-0.0267	-0.0000	-0.0000	-0.0000
-0.1276	-0.1002	-0.0690	-0.0352	-0.0000	-0.0000	-0.0000
-0.1651	-0.1297	-0.0893	-0.0455	-0.0000	-0.0000	-0.0000
(:, :, 19) =						
Columns 1 through 7						
0	0	0	0	0	0	0
-0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
-0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001
-0.0000	0.0001	0.0001	0.0002	0.0002	0.0003	0.0003
-0.0000	0.0001	0.0003	0.0004	0.0005	0.0006	0.0007
-0.0000	0.0003	0.0006	0.0009	0.0012	0.0014	0.0015
-0.0000	0.0006	0.0013	0.0018	0.0023	0.0027	0.0030
-0.0000	0.0012	0.0023	0.0033	0.0042	0.0049	0.0055
-0.0000	0.0019	0.0038	0.0055	0.0071	0.0083	0.0092
-0.0000	0.0031	0.0061	0.0088	0.0112	0.0132	0.0147
-0.0000	0.0047	0.0092	0.0134	0.0170	0.0200	0.0222
-0.0000	0.0068	0.0134	0.0195	0.0248	0.0292	0.0324
-0.0000	0.0097	0.0190	0.0276	0.0351	0.0413	0.0459
-0.0000	0.0133	0.0261	0.0379	0.0483	0.0568	0.0631
-0.0000	0.0179	0.0351	0.0510	0.0649	0.0763	0.0848
-0.0000	0.0236	0.0463	0.0672	0.0855	0.1005	0.1117
0	0.0305	0.0599	0.0869	0.1106	0.1301	0.1445
Columns 8 through 14						
0	0	0	0	0	0	0
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
0.0003	0.0003	0.0003	0.0003	0.0003	0.0002	0.0002
0.0008	0.0008	0.0008	0.0007	0.0006	0.0005	0.0004
0.0016	0.0017	0.0016	0.0015	0.0014	0.0012	0.0009
0.0032	0.0033	0.0032	0.0030	0.0027	0.0023	0.0018
0.0058	0.0059	0.0058	0.0055	0.0049	0.0042	0.0033
0.0098	0.0100	0.0098	0.0092	0.0083	0.0071	0.0055
0.0156	0.0159	0.0156	0.0147	0.0132	0.0112	0.0088
0.0236	0.0241	0.0236	0.0222	0.0200	0.0170	0.0134
0.0344	0.0351	0.0344	0.0324	0.0292	0.0248	0.0195
0.0487	0.0496	0.0487	0.0459	0.0413	0.0351	0.0276
0.0670	0.0683	0.0670	0.0631	0.0568	0.0483	0.0379
0.0900	0.0918	0.0900	0.0848	0.0763	0.0649	0.0510
0.1186	0.1209	0.1186	0.1117	0.1005	0.0855	0.0672
0.1534	0.1564	0.1534	0.1445	0.1301	0.1106	0.0869
Columns 15 through 21						
0	0	0	0	0	0	0
0.0000	0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
0.0000	0.0000	-0.0000	-0.0000	-0.0000	-0.0001	-0.0001
0.0001	0.0001	-0.0000	-0.0001	-0.0001	-0.0002	-0.0002
0.0003	0.0001	-0.0000	-0.0001	-0.0003	-0.0004	-0.0005
0.0006	0.0003	-0.0000	-0.0003	-0.0006	-0.0009	-0.0012
0.0013	0.0006	-0.0000	-0.0006	-0.0013	-0.0018	-0.0023
0.0023	0.0012	-0.0000	-0.0012	-0.0023	-0.0033	-0.0042
0.0038	0.0019	0.0000	-0.0019	-0.0038	-0.0055	-0.0071
0.0061	0.0031	0.0000	-0.0031	-0.0061	-0.0088	-0.0112

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0.0092    0.0047    0.0000   -0.0047   -0.0092   -0.0134   -0.0170
0.0134    0.0068    0.0000   -0.0068   -0.0134   -0.0195   -0.0248
0.0190    0.0097    0.0000   -0.0097   -0.0190   -0.0276   -0.0351
0.0261    0.0133    0.0000   -0.0133   -0.0261   -0.0379   -0.0483
0.0351    0.0179    0.0000   -0.0179   -0.0351   -0.0510   -0.0649
0.0463    0.0236    0.0000   -0.0236   -0.0463   -0.0672   -0.0855
0.0599    0.0305    0.0000   -0.0305   -0.0599   -0.0869   -0.1106
Columns 22 through 28
0          0          0          0          0          0          0
-0.0000   -0.0000   -0.0000   -0.0000   -0.0000   -0.0000   -0.0000
-0.0001   -0.0001   -0.0001   -0.0001   -0.0001   -0.0001   -0.0001
-0.0003   -0.0003   -0.0003   -0.0003   -0.0003   -0.0003   -0.0003
-0.0006   -0.0007   -0.0008   -0.0008   -0.0008   -0.0007   -0.0006
-0.0014   -0.0015   -0.0016   -0.0017   -0.0016   -0.0015   -0.0014
-0.0027   -0.0030   -0.0032   -0.0033   -0.0032   -0.0030   -0.0027
-0.0049   -0.0055   -0.0058   -0.0059   -0.0058   -0.0055   -0.0049
-0.0083   -0.0092   -0.0098   -0.0100   -0.0098   -0.0092   -0.0083
-0.0132   -0.0147   -0.0156   -0.0159   -0.0156   -0.0147   -0.0132
-0.0200   -0.0222   -0.0236   -0.0241   -0.0236   -0.0222   -0.0200
-0.0292   -0.0324   -0.0344   -0.0351   -0.0344   -0.0324   -0.0292
-0.0413   -0.0459   -0.0487   -0.0496   -0.0487   -0.0459   -0.0413
-0.0568   -0.0631   -0.0670   -0.0683   -0.0670   -0.0631   -0.0568
-0.0763   -0.0848   -0.0900   -0.0918   -0.0900   -0.0848   -0.0763
-0.1005   -0.1117   -0.1186   -0.1209   -0.1186   -0.1117   -0.1005
-0.1301   -0.1445   -0.1534   -0.1564   -0.1534   -0.1445   -0.1301
Columns 29 through 33
0          0          0          0          0
-0.0000   -0.0000   -0.0000   -0.0000   -0.0000
-0.0001   -0.0001   -0.0000   -0.0000   -0.0000
-0.0002   -0.0002   -0.0001   -0.0001   -0.0000
-0.0005   -0.0004   -0.0003   -0.0001   -0.0000
-0.0012   -0.0009   -0.0006   -0.0003   -0.0000
-0.0023   -0.0018   -0.0013   -0.0006   -0.0000
-0.0042   -0.0033   -0.0023   -0.0012   -0.0000
-0.0071   -0.0055   -0.0038   -0.0019   -0.0000
-0.0112   -0.0088   -0.0061   -0.0031   -0.0000
-0.0170   -0.0134   -0.0092   -0.0047   -0.0000
-0.0248   -0.0195   -0.0134   -0.0068   -0.0000
-0.0351   -0.0276   -0.0190   -0.0097   -0.0000
-0.0483   -0.0379   -0.0261   -0.0133   -0.0000
-0.0649   -0.0510   -0.0351   -0.0179   -0.0000
-0.0855   -0.0672   -0.0463   -0.0236   -0.0000
-0.1106   -0.0869   -0.0599   -0.0305   -0.0000
(:, : , 20) =
Columns 1 through 7
0          0          0          0          0          0          0
-0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
0.0000    0.0000    0.0000    0.0001    0.0001    0.0001    0.0001
-0.0000    0.0000    0.0001    0.0001    0.0001    0.0002    0.0002
-0.0000    0.0001    0.0002    0.0002    0.0003    0.0004    0.0004
-0.0000    0.0002    0.0003    0.0005    0.0006    0.0008    0.0008
-0.0000    0.0003    0.0007    0.0010    0.0012    0.0014    0.0016
-0.0000    0.0006    0.0012    0.0017    0.0022    0.0025    0.0028
-0.0000    0.0010    0.0019    0.0028    0.0036    0.0042    0.0047
-0.0000    0.0016    0.0031    0.0045    0.0057    0.0067    0.0074
-0.0000    0.0024    0.0046    0.0067    0.0086    0.0101    0.0112
-0.0000    0.0034    0.0068    0.0098    0.0125    0.0147    0.0163
-0.0000    0.0049    0.0095    0.0139    0.0176    0.0207    0.0230
-0.0000    0.0067    0.0131    0.0190    0.0242    0.0285    0.0317
-0.0000    0.0090    0.0176    0.0256    0.0326    0.0383    0.0425
-0.0000    0.0118    0.0232    0.0337    0.0429    0.0504    0.0560
0          0.0153    0.0300    0.0436    0.0555    0.0652    0.0725
Columns 8 through 14
0          0          0          0          0          0          0
0.0000    0.0000    0.0000    0.0000    0.0000    0.0000    0.0000
0.0001    0.0001    0.0001    0.0001    0.0001    0.0001    0.0001
0.0002    0.0002    0.0002    0.0002    0.0002    0.0001    0.0001
0.0004    0.0004    0.0004    0.0004    0.0004    0.0003    0.0002
0.0009    0.0009    0.0009    0.0008    0.0008    0.0006    0.0005
0.0017    0.0017    0.0017    0.0016    0.0014    0.0012    0.0010

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0.0030	0.0031	0.0030	0.0028	0.0025	0.0022	0.0017
0.0050	0.0051	0.0050	0.0047	0.0042	0.0036	0.0028
0.0079	0.0080	0.0079	0.0074	0.0067	0.0057	0.0045
0.0119	0.0121	0.0119	0.0112	0.0101	0.0086	0.0067
0.0173	0.0177	0.0173	0.0163	0.0147	0.0125	0.0098
0.0245	0.0249	0.0245	0.0230	0.0207	0.0176	0.0139
0.0336	0.0343	0.0336	0.0317	0.0285	0.0242	0.0190
0.0452	0.0460	0.0452	0.0425	0.0383	0.0326	0.0256
0.0595	0.0606	0.0595	0.0560	0.0504	0.0429	0.0337
0.0770	0.0785	0.0770	0.0725	0.0652	0.0555	0.0436
Columns 15 through 21						
0	0	0	0	0	0	0
0.0000	0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
0.0000	0.0000	-0.0000	-0.0000	-0.0000	-0.0001	-0.0001
0.0001	0.0000	-0.0000	-0.0000	-0.0001	-0.0001	-0.0001
0.0002	0.0001	-0.0000	-0.0001	-0.0002	-0.0002	-0.0003
0.0003	0.0002	-0.0000	-0.0002	-0.0003	-0.0005	-0.0006
0.0007	0.0003	-0.0000	-0.0003	-0.0007	-0.0010	-0.0012
0.0012	0.0006	-0.0000	-0.0006	-0.0012	-0.0017	-0.0022
0.0019	0.0010	-0.0000	-0.0010	-0.0019	-0.0028	-0.0036
0.0031	0.0016	0.0000	-0.0016	-0.0031	-0.0045	-0.0057
0.0046	0.0024	0.0000	-0.0024	-0.0046	-0.0067	-0.0086
0.0068	0.0034	0.0000	-0.0034	-0.0068	-0.0098	-0.0125
0.0095	0.0049	0.0000	-0.0049	-0.0095	-0.0139	-0.0176
0.0131	0.0067	0.0000	-0.0067	-0.0131	-0.0190	-0.0242
0.0176	0.0090	0.0000	-0.0090	-0.0176	-0.0256	-0.0326
0.0232	0.0118	0.0000	-0.0118	-0.0232	-0.0337	-0.0429
0.0300	0.0153	0.0000	-0.0153	-0.0300	-0.0436	-0.0555
Columns 22 through 28						
0	0	0	0	0	0	0
-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001
-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
-0.0004	-0.0004	-0.0004	-0.0004	-0.0004	-0.0004	-0.0004
-0.0008	-0.0008	-0.0009	-0.0009	-0.0009	-0.0008	-0.0008
-0.0014	-0.0016	-0.0017	-0.0017	-0.0017	-0.0016	-0.0014
-0.0025	-0.0028	-0.0030	-0.0031	-0.0030	-0.0028	-0.0025
-0.0042	-0.0047	-0.0050	-0.0051	-0.0050	-0.0047	-0.0042
-0.0067	-0.0074	-0.0079	-0.0080	-0.0079	-0.0074	-0.0067
-0.0101	-0.0112	-0.0119	-0.0121	-0.0119	-0.0112	-0.0101
-0.0147	-0.0163	-0.0173	-0.0177	-0.0173	-0.0163	-0.0147
-0.0207	-0.0230	-0.0245	-0.0249	-0.0245	-0.0230	-0.0207
-0.0285	-0.0317	-0.0336	-0.0343	-0.0336	-0.0317	-0.0285
-0.0383	-0.0425	-0.0452	-0.0460	-0.0452	-0.0425	-0.0383
-0.0504	-0.0560	-0.0595	-0.0606	-0.0595	-0.0560	-0.0504
-0.0652	-0.0725	-0.0770	-0.0785	-0.0770	-0.0725	-0.0652
Columns 29 through 33						
0	0	0	0	0		
-0.0000	-0.0000	-0.0000	-0.0000	-0.0000		
-0.0001	-0.0001	-0.0000	-0.0000	0.0000		
-0.0001	-0.0001	-0.0001	-0.0000	-0.0000		
-0.0003	-0.0002	-0.0002	-0.0001	-0.0000		
-0.0006	-0.0005	-0.0003	-0.0002	-0.0000		
-0.0012	-0.0010	-0.0007	-0.0003	-0.0000		
-0.0022	-0.0017	-0.0012	-0.0006	-0.0000		
-0.0036	-0.0028	-0.0019	-0.0010	-0.0000		
-0.0057	-0.0045	-0.0031	-0.0016	-0.0000		
-0.0086	-0.0067	-0.0046	-0.0024	-0.0000		
-0.0125	-0.0098	-0.0068	-0.0034	-0.0000		
-0.0176	-0.0139	-0.0095	-0.0049	-0.0000		
-0.0242	-0.0190	-0.0131	-0.0067	-0.0000		
-0.0326	-0.0256	-0.0176	-0.0090	-0.0000		
-0.0429	-0.0337	-0.0232	-0.0118	-0.0000		
-0.0555	-0.0436	-0.0300	-0.0153	-0.0000		
(:, :, 21) =						
1.0e-03 *						
Columns 1 through 7						
0	0	0	0	0	0	0
0.0000	0.0076	0.0149	0.0217	0.0276	0.0324	0.0360
0.0000	0.0147	0.0287	0.0417	0.0531	0.0624	0.0694

-0.0000	0.0208	0.0408	0.0592	0.0754	0.0887	0.0985
-0.0000	0.0258	0.0507	0.0736	0.0937	0.1101	0.1224
-0.0000	0.0296	0.0581	0.0843	0.1073	0.1262	0.1402
-0.0000	0.0320	0.0628	0.0911	0.1160	0.1364	0.1515
-0.0000	0.0329	0.0646	0.0938	0.1193	0.1403	0.1559
-0.0000	0.0323	0.0634	0.0920	0.1171	0.1377	0.1530
-0.0000	0.0302	0.0592	0.0859	0.1093	0.1286	0.1428
-0.0000	0.0265	0.0520	0.0755	0.0960	0.1129	0.1255
-0.0000	0.0214	0.0420	0.0610	0.0777	0.0913	0.1015
-0.0000	0.0152	0.0298	0.0433	0.0551	0.0648	0.0720
-0.0000	0.0083	0.0163	0.0237	0.0301	0.0354	0.0393
-0.0000	0.0017	0.0033	0.0048	0.0061	0.0072	0.0080
-0.0000	-0.0027	-0.0052	-0.0076	-0.0096	-0.0113	-0.0126
0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Columns 8 through 14						
0	0	0	0	0	0	0
0.0383	0.0390	0.0383	0.0360	0.0324	0.0276	0.0217
0.0737	0.0751	0.0737	0.0694	0.0624	0.0531	0.0417
0.1046	0.1066	0.1046	0.0985	0.0887	0.0754	0.0592
0.1299	0.1324	0.1299	0.1224	0.1101	0.0937	0.0736
0.1489	0.1518	0.1489	0.1402	0.1262	0.1073	0.0843
0.1609	0.1640	0.1609	0.1515	0.1364	0.1160	0.0911
0.1655	0.1688	0.1655	0.1559	0.1403	0.1193	0.0938
0.1625	0.1656	0.1625	0.1530	0.1377	0.1171	0.0920
0.1516	0.1546	0.1516	0.1428	0.1286	0.1093	0.0859
0.1332	0.1358	0.1332	0.1255	0.1129	0.0960	0.0755
0.1077	0.1098	0.1077	0.1015	0.0913	0.0777	0.0610
0.0764	0.0779	0.0764	0.0720	0.0648	0.0551	0.0433
0.0418	0.0426	0.0418	0.0393	0.0354	0.0301	0.0237
0.0085	0.0087	0.0085	0.0080	0.0072	0.0061	0.0048
-0.0134	-0.0136	-0.0134	-0.0126	-0.0113	-0.0096	-0.0076
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Columns 15 through 21						
0	0	0	0	0	0	0
0.0149	0.0076	-0.0000	-0.0076	-0.0149	-0.0217	-0.0276
0.0287	0.0147	-0.0000	-0.0147	-0.0287	-0.0417	-0.0531
0.0408	0.0208	-0.0000	-0.0208	-0.0408	-0.0592	-0.0754
0.0507	0.0258	-0.0000	-0.0258	-0.0507	-0.0736	-0.0937
0.0581	0.0296	-0.0000	-0.0296	-0.0581	-0.0843	-0.1073
0.0628	0.0320	-0.0000	-0.0320	-0.0628	-0.0911	-0.1160
0.0646	0.0329	-0.0000	-0.0329	-0.0646	-0.0938	-0.1193
0.0634	0.0323	-0.0000	-0.0323	-0.0634	-0.0920	-0.1171
0.0592	0.0302	-0.0000	-0.0302	-0.0592	-0.0859	-0.1093
0.0520	0.0265	-0.0000	-0.0265	-0.0520	-0.0755	-0.0960
0.0420	0.0214	-0.0000	-0.0214	-0.0420	-0.0610	-0.0777
0.0298	0.0152	-0.0000	-0.0152	-0.0298	-0.0433	-0.0551
0.0163	0.0083	-0.0000	-0.0083	-0.0163	-0.0237	-0.0301
0.0033	0.0017	-0.0000	-0.0017	-0.0033	-0.0048	-0.0061
-0.0052	-0.0027	-0.0000	0.0027	0.0052	0.0076	0.0096
0.0000	0.0000	0.0000	-0.0000	-0.0000	-0.0000	-0.0000
Columns 22 through 28						
0	0	0	0	0	0	0
-0.0324	-0.0360	-0.0383	-0.0390	-0.0383	-0.0360	-0.0324
-0.0624	-0.0694	-0.0737	-0.0751	-0.0737	-0.0694	-0.0624
-0.0887	-0.0985	-0.1046	-0.1066	-0.1046	-0.0985	-0.0887
-0.1101	-0.1224	-0.1299	-0.1324	-0.1299	-0.1224	-0.1101
-0.1262	-0.1402	-0.1489	-0.1518	-0.1489	-0.1402	-0.1262
-0.1364	-0.1515	-0.1609	-0.1640	-0.1609	-0.1515	-0.1364
-0.1403	-0.1559	-0.1655	-0.1688	-0.1655	-0.1559	-0.1403
-0.1377	-0.1530	-0.1625	-0.1656	-0.1625	-0.1530	-0.1377
-0.1286	-0.1428	-0.1516	-0.1546	-0.1516	-0.1428	-0.1286
-0.1129	-0.1255	-0.1332	-0.1358	-0.1332	-0.1255	-0.1129
-0.0913	-0.1015	-0.1077	-0.1098	-0.1077	-0.1015	-0.0913
-0.0648	-0.0720	-0.0764	-0.0779	-0.0764	-0.0720	-0.0648
-0.0354	-0.0393	-0.0418	-0.0426	-0.0418	-0.0393	-0.0354
-0.0072	-0.0080	-0.0085	-0.0087	-0.0085	-0.0080	-0.0072
0.0113	0.0126	0.0134	0.0136	0.0134	0.0126	0.0113
-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
Columns 29 through 33						
0	0	0	0	0	0	0

-0.0276	-0.0217	-0.0149	-0.0076	0.0000
-0.0531	-0.0417	-0.0287	-0.0147	0.0000
-0.0754	-0.0592	-0.0408	-0.0208	-0.0000
-0.0937	-0.0736	-0.0507	-0.0258	-0.0000
-0.1073	-0.0843	-0.0581	-0.0296	-0.0000
-0.1160	-0.0911	-0.0628	-0.0320	-0.0000
-0.1193	-0.0938	-0.0646	-0.0329	-0.0000
-0.1171	-0.0920	-0.0634	-0.0323	-0.0000
-0.1093	-0.0859	-0.0592	-0.0302	-0.0000
-0.0960	-0.0755	-0.0520	-0.0265	-0.0000
-0.0777	-0.0610	-0.0420	-0.0214	-0.0000
-0.0551	-0.0433	-0.0298	-0.0152	-0.0000
-0.0301	-0.0237	-0.0163	-0.0083	-0.0000
-0.0061	-0.0048	-0.0033	-0.0017	-0.0000
0.0096	0.0076	0.0052	0.0027	-0.0000
-0.0000	-0.0000	-0.0000	-0.0000	-0.0000

pertrb =
0
ifail =
0