As shown in Ref 9, the thermodynamic entropy increase is given by

$$\frac{ds_T}{dt} \cong h_{fg} \frac{\Delta T}{T_s^2} \frac{dy}{dt} \quad \text{(A13)}$$

Across a blade row,

$$\Delta s_T = h_{fg} \frac{\Delta T_{av}}{T_s^2} \Delta y \quad \text{(A14)}$$

where Δy is the increase in wetness fraction and ΔT_{av} is a suitably defined average value of the vapour supercooling. Substituting Eq (A14) into Eq (2) gives

$$\xi_T = \frac{2h_{fg}}{V_{ex}^2} \Delta y \left(\frac{\Delta T_{av}}{T_s} \right) \quad \text{(A15)}$$

CALENDAR

Direct and Large Eddy Simulation of Turbulent Flows (Euromech. colloquium)	30 September–1 October 1985 Munich, FRG	Professor R. Friedrich, Lehrstuhl für Stromungsmechanik, Technische University München, Acisstrasse 21, 8000 München 2, FRG
Measurement Techniques in Low-speed Turbulent Flows (Euromech. colloquium)	7–9 October 1985 Marknesse, The Netherlands	Dr B. van den Berg, National Aerospace Laboratory NLR, Voorsterweg 31, 8316 PR Marknesse, The Netherlands
Industrial Heat Exchanger Technology Symposium	6–8 November 1985 Pittsburgh, PA, USA	Conferences and Expositions, American Society for Metals, Metals Park, OH 44073, USA
ASME Winter Annual Meeting	17–21 November 1985 Miami, FL, USA	ASME, 345 East 47th Street, New York, NY 10017, USA
Fluid Transients in Fluid Structure Interaction – 2nd Symposium	17–21 November 1985 Miami, FL, USA	ASME, 345 East 47th Street, New York, NY 10017, USA
Fundamental Aspects of Gas Liquid Flows	17–21 November 1985 Miami, FL, USA	Professor E. E. Michaelides, Mechanical and Aerospace Engineering, University of Delaware, Newark, DE 19716, USA
Numerical Methods for Multiphase Flow (course)	18–22 November 1985 Ispra, Italy	Secretariat 'Ispra-Courses', Centro Commune di Ricerca, I-21020 Ispra (Varese), Italy
AIAA Joint Fluid Dynamics and Heat Transfer Conference	12–14 May 1986 Atlanta, GA, USA	American Institute of Aeronautics and Astronautics, 1290 Avenue of the America, New York, NY 10019, USA
Water for Energy	14–16 May 1986 Brighton, UK	BHRA Fluid Engineering Centre, Cranfield, Bedford MK43 0AJ, UK
31st International Gas Turbine Conference and Exhibit	8–12 June 1986 Dusseldorf, FRG	ASME, 345 E. 47th Street, New York, NY 10017, USA
Flow Measurement in the Mid-80s	9–12 June 1986 Glasgow, UK	Conference Section, National Engineering Laboratory, East Kilbride, Glasgow G75 0QU, UK
6th International Symposium: Finite Element Methods in Flow Problems	16–20 June 1986 Antibes, France	INRIA, Service des Relations Extérieures Rocquencourt, BP 105, 78153 Le Chesnay Cedex, France
8th International Heat Transfer Conference	17–22 August 1986 San Francisco, CA, USA	Chang-Lin Tien, Department of Mechanical Engineering, University of California, Berkeley, CA 94720, USA
7th International Fluid Power Symposium	16–18 September 1986 Bath, UK	BHRA, The Fluid Engineering Centre, Cranfield, Bedford MK43 OAL, UK
5th International Conference on Pressure Surges	22–24 September 1986 Hannover, FRG	BHRA Fluid Engineering Centre, Cranfield, Bedford MK43 0AJ, UK
ASME Winter Annual Meeting: International Symposium on Pressure and Temperature Measurement	30 November–5 December 1986 San Francisco, CA, USA	Dr J. H. Kim, Electric Power Research Institute, 3412 Hillview Avenue, PO Box 10412, Palo Alto, CA 94303, USA
Australian Fluid Mechanics Conference	8–12 December 1986 Auckland, New Zealand	AFMC Conference Committee, c/o Dr P. S. Jackson, Dept of Mechanical Engineering, Auckland University, Private Bag, Auckland, New Zealand