

Letters

Correction to "Theory of an Efficient Electronic Phase Shifter Employing a Multilayer Dielectric-Waveguide Structure"

A. B. BUCKMAN

A factor of n_g should appear in the numerator of the right side of (11).¹ This error affects the design of the structure in Fig. 3,¹ as follows: To obtain values of $\Delta\phi/\Delta l$ of the order 50–80°/cm, it is necessary that d_g/λ_0 be raised to 0.4375, and an additional layer of refractive index 3.4 and thickness 0.4375 λ_0 be placed between the active layer and the superstrate. Other indices and thicknesses remain unchanged.

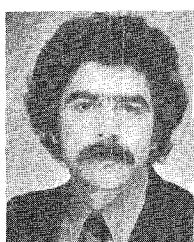
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¹ A. B. Buckman, *IEEE Trans. Microwave Theory Tech.*, vol. MTT-25, pp. 480–483, June 1977.

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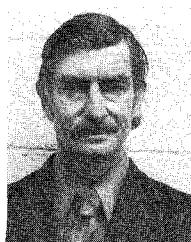
Contributors



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Leopold B. Felsen (S'47-A'53-M'54-SM'55-F'62) was born in Munich, Germany, on May 7, 1924. He received the B.E.E., M.E.E., and D.E.E. degrees from the Polytechnic Institute of Brooklyn, Brooklyn, NY, in 1948, 1949, and 1952, respectively.

During World War II he was concerned with work on electronic ballistics-calibration devices in the U.S. Army. Since 1948 he has been with Polytechnic Institute of Brooklyn, now Polytechnic Institute of New York, first with its Microwave Research Institute, and presently with its Department of Electrical Engineering where he holds the position of Professor. In September 1974, he was appointed Dean of Engineering. On a leave of absence during 1960–1961 he served as a Liaison Scientist with the London Branch of the Office of Naval Research. His research work has dealt with a variety of areas in electromagnetic radiation and diffraction theory, and his present interest is centered primarily on quasioptic techniques, optical waveguides, and optical resonators. He has been teaching graduate courses on various topics in electromagnetic theory, and during the summer of 1967 he was a Visiting Professor at the University of Colorado, Boulder. During September 1967 he was in Russia as an invited guest of the Soviet Academy of Sciences for the purpose of lecturing and scientific discussion, and he was also their invited guest to attend the 1971 Electromagnetic Theory Symposium in Tbilisi, USSR. He was awarded a Guggenheim Fellowship for 1973. In 1974, he was appointed a Distinguished Lecturer for the Antennas and Propagation Society. He received the 1975 Balthasar van der Pol Gold Medal, awarded triennially by the International Board of Officers of URSI. He has also received several awards for his published papers.

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Raymond Crampagne was born in France in 1946. He received the Dipl. d'Ing. degree in electrical engineering from Ecole Supérieure d'Electricité, Paris, in 1968, and the Doctorat de 3ème cycle degree in microwaves from the Paul Sabatier University, Toulouse, France, in 1973.

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