

JOSEPH MILES

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Degrees

B. S. University of Illinois, 1963
M. S. University of Wisconsin, 1964
Ph. D. University of Wisconsin, 1968 (Thesis Adviser: Simon Hellerstein)

Positions

National Research Council Postdoctoral Fellow 1968-69, Cornell University
Assistant Professor, UIUC, 1969-74
Associate Professor, UIUC, 1974-79
Visitor, University of Maryland, 1975-76
Visitor, University of Hawaii, 1979 and 1984
Professor, UIUC, 1979-
Director of Undergraduate Studies in Mathematics, UIUC, 2007-

Research Interests

Entire and meromorphic functions, value distribution theory, classical analysis

Ph. D. Thesis Students

Donald Behan, 1970
Douglas Townsend, 1976
J. Daniel Gary, 1984
Kevin Hopkins, 1989
Ki-Ho Kwon, 1991

Selected Publications

Bounds on the ratio $n(r,a)/S(r)$ for meromorphic functions, Trans. Amer. Math. Soc. 162(1971), 383-393.

Quotient representations of meromorphic functions, J. D'Analyse Math. 25(1972), 371-388.

An extremal problem in value distribution theory (with D. F. Shea), Quart. J. Math. Oxford(2) 24(1973), 377-383.

On entire functions of infinite order with radially distributed zeros, Pacific J. Math. 81(1979), 131-157.

Some examples of the dependence of the Nevanlinna deficiency upon the choice of origin, Proc. London Math. Soc. (3) 47(1983), 145-176.

A characterization of the exponential function (with J. Williamson), J. London Math. Soc. (2) 33(1986), 110-116.

On the growth of a meromorphic function and its derivatives (with W. K. Hayman), Complex Variables Theory and Application 12(1989), 245-260.

A sharp form of the lemma on the logarithmic derivative, J. London Math. Soc. (2) 45(1992), 243-254.

On a theorem of Hayman and Stewart, Complex Variables Theory and Application 37(1998), 425-455.

On the growth of entire functions with zero sets having infinite exponent of convergence, Ann. Acad. Sci. Fenn. 27 (2002), 69-90.

Recognition

- Alpha Lambda Delta (Freshman Honor Society) Teaching Award, 1991
- LAS College Teaching Award, 1991
- Campus Teaching Award, 2000