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Section:

11. Mathematical Physics

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A Physicist's Definition of the Scwarz Function.

The Schwarz function is a very interesting and helpful tool for solutions of several problems in complex analysis and partial differential equations. We present a definition of the function that arose in applied physical problems and gives a natural way for generalizations.

Reference: P. Davis, The Schwarz Function and its Applications, Carus Mathematical Monographs 17, MAA, 1974.