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functions with little effort. We shall then prove two theorems which show that the behavior of functions of Functions of Several Complex Variables | SpringerLink theory of complex variables in several dimensions. The aim of this two hour introduction is 1. to show that part of complex analysis in several variables can be obtained from the one-dimensional theory essentially by replacing indices with multi-indices. Examples of results which A short introduction to several complex variables Function Theory of Several Complex Variables: Second Edition Share this page Steven G. Krantz. AMS Chelsea Publishing: An Imprint of the American Mathematical Society.

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Lecture notes on several complex variables

Some aspects of the theory of holomorphic (complex analytic) functions—the maximum principle, for example—are essentially the same in all dimensions. The most interesting parts of the theory of several complex variables are the features that differ from the one-dimensional theory.

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