962-32-679   **Steven G Krantz*** (`sk@math.wustl.edu`), Department of Mathematics, Campus Box 1146, Washington University in St. Louis, One Brookings Drive, St. Louis, MO 63130. *Recent Progress in the Theory of Automorphism Groups of Domains.*

We will discuss recent results in the theory of automorphism groups (groups of biholomorphic self-maps) of domains in several complex variables. Some of these results characterize the size (in terms of dimension) of the automorphism group. Other results concern explorations of quantum non-compactness of automorphism groups. Some of this work is joint with K. T. Kim and Alexander Isaev. (Received September 20, 2000)

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