

Conformal mappings and operators between spaces of analytic functions

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Abstract: Let \mathbb{D} be the unit disc in the complex plane. In this talk we shall review the construction of a number of conformal mappings from \mathbb{D} onto certain simply connected domains $\Omega \subset \mathbb{C}$ which have applications to questions related to distinct classes of operators between spaces of analytic functions in \mathbb{D} . Some of these questions have to do with embedding theorems, division by inner functions, multipliers, and superposition operators.