Functions of a Complex Variable II Mathematical Methods in the Physical Sciences

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Evaluation of Definite Intefrals Using the Residue Thm.

Procedure

- Find poles (implied: re-write equation in polar coords)
- Select the *best* pole
- Find the redidue at that pole
- Apply the residue theorem

The Point At Infinity; Residues At Infinity

Mapping

Some Applications of Conformal Mapping

Questions?

