



Advanced Electromagnetics:
21st Century Electromagnetics

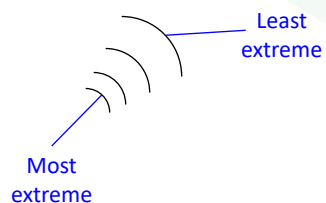
Conformal Mapping



Observations About TO

Observation #1

Sharper bends lead to more extreme material properties.



Observation #2

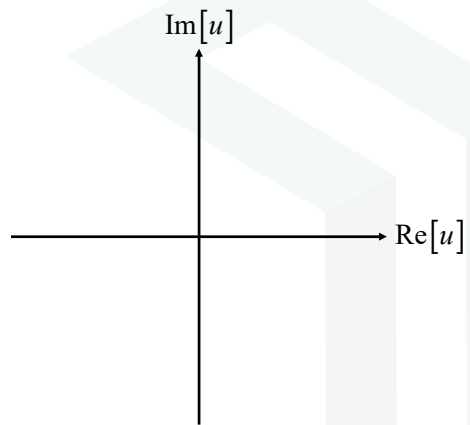
Oblique coordinates lead to anisotropic material properties.



How to we always enforce this?



Complex Numbers as Coordinates



Coordinate Transform with Complex Numbers

