



UNIVERSITY OF CALIFORNIA
RIVERSIDE

DEPARTMENT OF MATHEMATICS

COLLOQUIUM

DR. STEVEN KRANTZ

WASHINGTON UNIVERSITY

"SMOOTHNESS TO THE BOUNDARY OF BIHOLOMORPHIC MAPPINGS"

We study smoothness to the boundary of biholomorphic mappings in several complex variables. We show that, if the mapping is assumed to satisfy a Lipschitz condition, then the map will extend smoothly to the boundary.

The proof uses the technique of the ∂ -Neumann problem as well as some complex geometry.

WEDNESDAY, JUNE 1ST, 2016

SURGE 284

TEA TIME 3:40 P.M.

TALK BEGINS 4:10 P.M.