

Special Colloquium



DR. YUANQI WANG

UNIVERSITY OF CALIFORNIA SANTA BARBARA

"LIOUVILLE THEOREM FOR COMPLEX MONGE-AMPERE EQUATIONS WITH CONIC SINGULARITIES"

FOLLOWING CALABI, POGORELOV, EVANS-KRYLOV-SAFANOV, AND TRUDINGER'S PIONEER WORK ON INTERIOR REGULARITIES AND LIOUVILLE THEOREMS FOR MONGE-AMPERE EQUATIONS, WE PROVE THE LIOUVILLE THEOREM FOR CONIC KÄHLER-RICCI FLAT METRICS. WE ALSO DISCUSS VARIOUS APPLICATIONS OF THIS LIOUVILLE THEOREM TO CONIC KÄHLER GEOMETRY.

UCR

Mathematics

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Thursday, March 6th, 2014

Room 284, the 2nd Floor of the Surge Building

Tea Time @ 3:40 p.m.

Talk Begins @ 4:10 p.m.

Ends @ 5:00 p.m.



**Department of
Mathematics**