



Mathematics Lecture Series, Fall 2014
Fresno State

DR. MARAT MARKIN

California State University, Fresno

**“ON ONE AMAZING FORMULA BINDING TWO
BRANCHES OF MATHEMATICS”**



Tuesday, December 9, 2014 from 4:00 to 5:00 p.m., UBC 192

Gelfand's spectral radius formula, relating the purely algebraic concept of the *spectrum* of an element of a complex Banach algebra to the analytic entities of *limit* and *norm*, can be rightfully considered a vivid revelation of the intrinsic connection between the two branches of mathematics: algebra and analysis. We are going to consider a traditional proof of this fundamental result based on the generalization of Liouville's theorem in complex function theory to vector-valued functions and see how the formula works within the familiar framework of linear algebra and calculus.

If you need a disability-related accommodation or wheelchair access information, please contact Tamas Forgacs at (559) 278-4907 or e-mail tforags@csufresno.edu. Requests should be made at least one week in advance of the event.
