COMPLEX ANALYSIS SEMINAR

THE BISHOP-PHELPS-BOLLOBÁS PROPERTY FOR NUMERICAL RADIUS

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ABSTRACT: The investigation of a question whether norm-attaining operators on a Banach space are dense has been parallel to the study of the denseness of numerical-radius attaining operators. We show how to obtain the Bishop-Phelps-Bollobás theorem for $\ell_1(\mathbb{C})$, a quantitative strengthening of the Bishop-Phelps theorem. Then we apply these constructions to show that $\ell_1(\mathbb{C})$ is one of the examples of spaces with the Bishop-Phelps-Bollobás property for numerical radius. (This is a joint work with Antonio J. Guirao)

Date: Thursday, February 14, 2013

Time: 4pm-5pm

Place: UH 4100A

Webpage: `http://math.utoledo.edu/~ssahuto/complexseminar.html`