2016학년도 1학기

수학전공 Colloquium

제 목	Bishop-Phelps-Bollobas theorem for bilinear forms
연 사	김선광 (경기대)
초 록	We study Bishop-Phelps Bollobás theorem for bilinear forms. The very first version of Bishop-Phelps-Bollobás type result was for the linear functionals as follows. (Bishop-Phelps-Bollobás theorem) Let X be a Banach space. If and $x \in S_X$ and $x^* \in S_{X^*}$ $satisfy$ $\|x^*(x) - 1\| < \varepsilon^2/4$, $then\ there\ exist\ y \in S_X\ and\ y^* \in S_{X^*}\ such\ that\ y^*(y) = 1.$ $\|x^* - y^*\| < \varepsilon\ and\ \|x - y\| < \varepsilon.$ We introduce some results and history. Specially, we show that this theorem holds for bilinear forms on C(K)×C(K) when the spaces are complex Banach spaces and K is compact Hausdorff space.
일 시	3월 25일 금요일 5시
장 소	5E102