Boğaziçi
MATH COLLOQUIUM

Algebras sitting on Stone–Čech compactifications

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Abstract: We are interested in semigroup algebras sitting on a semigroup - both the algebraic and analytic versions. It is surprisingly difficult to decide when these algebras are semisimple. We shall discuss this, explaining terms. A key test case for our question is to take algebras sitting on the Stone–Čech compactification of the natural numbers. I shall explain how this compactification becomes a semigroup, and note that the answer to our question probably depends on the set-theoretic assumptins that we make.

Date : Wednesday, October 19, 2016
Time: 15:00
Place: TB 250, Boğaziçi University