

Characterizing some classical rings via superstability

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The classical model-theoretic notion of *superstability* was introduced by Shelah in the late sixties for first-order theories. In this talk we will show that superstability is a natural algebraic property by characterizing some classical classes of rings, such as noetherian rings, via superstability of certain classes of modules. We will not assume any familiarity with model theory and we will introduce all the basic notions.