

Speaker: Mariya Soskova

Title: Seven characterizations of the cototal enumeration degrees

Abstract: An enumeration degree is cototal if it contains a set that is enumeration reducible to its complement. The cototal enumeration degrees form a natural substructure of the enumeration degrees. We give evidence for this by describing several different characterizations of the class, coming from different areas of mathematics: symbolic dynamics, computable structure theory, effective topology, graph theory and degree theory.