

Speaker: Krzysztof Krawczyk

Title: Structural completeness among finitary extensions of R-mingle

Abstract: We investigate various types of structural completeness within finitary consequence relations extending the well-known system of relevance logic RM. Our methods are algebraic and thus we focus on quasivarieties of Sugihara algebras. With the use of critical Sugihara algebras as our main tool, we offer a characterization of Hereditarily Structurally Complete quasivarieties of Sugihara algebras. Additionally, we investigate weaker versions of Structural completeness – its passive and active variant.