▶ HIROAKIRA ONO, *Cut elimination, analytic cut property and interpolation property.* JAIST.
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The main theme of these lectures is cut elimination, subformula property and analytic cut property in sequent systems for nonclassical logics. Attention will be focused particularly on analytic cut property, as it can not only widen the scope of the application of cut elimination, but also inherits many of its good features. As a concrete example of the outcome of analytic cut property, a proof of Craig interpolation property for bi-intuitionistic (tense) logic will be explained. Throughout these talks, semantical, or sometimes algebraic, approach to the problem are also touched on, not limited to proof-theoretic one, as these two play a complementary role.