CASTS TALKS

Nonlinear ODE in Complex Form

Basic facts about hypergeometric differential equations

2014 - 04 - 22 (Tue.)
10:40 - 12:20
308, Mathematics Research Center Building (ori. New Math. Bldg.)

In this talk, I will introduce some basic facts about hypergeometric differential equations, including Riemann equation, Gauss hypergeometric equation, hypergeometric series, Kummer\'s 24 solutions and contiguity relations. The reference is Sections 2.1-2.2 in the book \"From Gauss to Painleve: a modern theory of special functions\".