

Meromorphic solutions of the autonomous Schwarzian differential equations

by

CHENGFA WU

Institute for Advanced Study, Shenzhen University

It has been proved by Ishizaki that the autonomous Schwarzian differential equations, which admit transcendental meromorphic solutions, have six canonical forms. In this talk, we will present all of these transcendental meromorphic solutions. This talk is based joint works with Liangwen Liao, Jie Zhang and Donghai Zhao.