

Solutions to extended WDVV equations and Painlevé VI equation

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This talk is based on the joint work with M. Kato and T. Mano.

There is a deep relationship between WDVV equation and Painlevé VI equation. We treat this picture to the case of a generalization of WDVV equation called "extended WDVV equation". The purpose of this talk is to report recent progress on the construction of solutions to extended WDVV equation by using "45 algebraic solutions" to Painlevé VI equation.