

Fuchsian differential equation

Canonical name Fuchsian Differential Equation

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Author rspuzio (6075) Entry type Definition Classification msc 34A25 A linear ordinary differential equation is called Fuchsian if every singular point, including infinity is http://planetmath.org/FuchsianSingularityregular. The form of such an equation is rather restricted. The coefficients of the equation must be rational functions.