

1103-53-82

Jacques C. Hurtubise* (jacques.hurtubise@mcgill.ca), Dept. Mathematics and Statistics, McGill University, 805 Sherbrooke St. W., Montreal, Quebec H3A 0B9, Canada, and **Christiane Rousseau**. *Unfolding of irregular singularities of ordinary differential equations.*

An irregular singular point of an ode in the plane is classified by Stokes matrices, once one fixes a formal normal form; on the other hand equations with regular singular points are in essence classified by their monodromy representations. The link between the two is not immediate. We present an unfolding of an irregular singular point which shows the unifying role played by Stokes matrices in both cases. Joint work with Christiane Rousseau. (Received August 13, 2014)