

Analytic classification of Dulac germs.

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Abstract: The study of Dulac (almost regular) germs is motivated by first return maps of hyperbolic polycycles. We discuss analytic moduli for Dulac germs (using power-logarithmic changes of variables) and give some ideas on realization question in wider generalized Dulac class. This is a work in progress with Mardešić, Rolin, Županović.