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Analytic intersection theory - an overview

Opis: In this talk we will present an overview of intersection theory in complex analytic geometry, starting from R. Draper's theory for proper intersections, through the isolated intersection case (proper or not) as solved by R. Achilles, P. Tworzewski and T. Winiarski, to the general case with the algorithmic construction due to P. Tworzewski. Some applications to the Łojasiewicz inequalities as well as to the pullback problem will also be discussed.