

1163-65-558

Michael Burr and **Anton Leykin***, School of Mathematics, Georgia Tech, Atlanta, GA.

Inflation of poorly conditioned zeros of systems of analytic functions.

Given a system of analytic functions and an approximate zero, we transform it into a system with a regular quadratic zero. This results in a method for isolating a cluster of zeros of the given system. (Received September 10, 2020)