

The Cauchy--Riemann equations in N variables, as N varies

Laszlo Lempert
Purdue University

We consider the inhomogeneous Cauchy--Riemann equations in N-dimensional balls, and try to understand how the sup norm of the solution can be estimated in function of N. Depending on what one exactly interprets the above problem, one of our results says that the estimate is independent of N; another result says that the estimate must be exponential in N.