

Globally Convergent Numerical for Some Inverse Problems

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*The work was supported in part by the US Army Research Laboratory and
US Army Research Office under contract (grant W911NF-05-1-0378)*

Coefficient Inverse Problems (CIPs) have a broad variety of applications. At the same time the vast majority of numerical methods for CIPs converge locally. That is, they require a priori good approximations for the exact solutions. Since such approximations rarely available in practice, there is a need to develop globally convergent numerical methods for CIPs. In other words, such methods, which would not rely upon a good first guess for the solution. The goal of this talk is to present some globally convergent methods which were developed recently [1-3].

References

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