

# Probing for Electrical Inclusions

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Assume that we have an object with known smooth background conductivity with some unknown inclusions inside the object. In this talk I will introduce a method for probing inclusions near the surface using only local electrical measurements. I will also discuss some problems that have arisen in practical measurements.

## References

- [1] Ide, Isozaki, Nakata, Siltanen, Uhlmann: *Probing for Electrical Inclusions with Complex Spherical Waves*, Communications on Pure and Applied Mathematics 60(10), pp. 1415-1442, 2007.