

Inverse Obstacle Scattering: Some Theory and Numerics

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Abstract

In this talk we shall address some recent advances that have been achieved in the theory and numerics on inverse acoustic and electromagnetic obstacle scattering problems. The theoretical part will focus on the uniqueness in the inverse obstacle scattering and discuss how many far field measurement data one can use to uniquely determine the underlying scatterer of general polyhedral type, while the numerical part will review some efficient numerical methods for inverse obstacle scattering problems.

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