



Numerical Analysis Seminar

Direct sampling method for inverse scattering problems

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Abstract

Inverse scattering problems aim to look for unknown objects from the scattered fields or its far field patterns. In the last ten years, the direct sampling methods have attracted a lot of attention and there are rich results for such type methods. We introduce a framework for designing the direct sampling method for inverse scattering problems. In particular, for the case with near field measurements, we avoid the assumption that the measurement surface should far away from the unknown objects.

Date:	March 15, 2023 (Wednesday)
Time:	10:00am - 11:00am
Venue:	ZOOM: https://hku.zoom.us/j/ Meeting ID: 913 6532 3891 Password: 310656

All are welcome