

The Fourier, Hilbert, and Mellin transforms on a half-line

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On an electromagnetic problem in a corner and its applications

Blasten, Emilia; Liu, Hongyu; Xiao, Jingni Analysis & PDE 2021 / p. 2207-2224 <https://doi.org/10.2140/apde.2021.14.2207> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On corners scattering stably and stable shape determination by a single far-field pattern

Blasten, Emilia Indiana University Mathematics Journal 2021 / p. 907-947 <https://doi.org/10.1512/IUMJ.2021.70.8411> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Scattering by curvatures, radiationless sources, transmission eigenfunctions, and inverse scattering problems

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Unique determination of the shape of a scattering screen from a passive measurement

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