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Explicit Formula for the Hyperbolic Scattering Determinant

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摘要

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Abstract We prove the explicit formula for the hyperbolic scattering determinant in the case of a general subgroup Γ of $\mathrm{PSL}(2, \mathbb{R})$. The class of test functions involved (not necessarily odd nor continuous) is much broader than that previously known. As an application of the technique, a new representation of the Millson-Shintani zeta function is obtained.

Key words [explicit formulas](#) [hyperbolic scattering determinant](#)

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