

# Analysis on locally pseudo-Riemannian symmetric spaces

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## **Abstract**

Analysis on Riemann surface, or more generally, locally Riemannian symmetric spaces, has been developed extensively in connection with automorphic form theory and representation theory of reductive groups. In the more general setting where the metric is not positive definite, new difficulties arise from analysis, geometry, and representation theory. I will discuss some new developments and methods in my lecture.

This talk should be accessible to graduate students.