

journal of inequalities in pure and applied mathematics issn: 1443-5756



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Volume 10, Issue 2, Article 38

Beurling-Hörmander Uncertainty Principle for the Spherical Mean Operator

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Keywords: Uncertainty principle, Beurling-Hörmander

> theorem, Gelfand-Shilov theorem, Cowling-Price theorem, Fourier transform, Spherical mean

operator.

Date Received: 15/11/08 Date Accepted: 01/05/09

Subject Codes: 42B10, 43A32.

Editors: John Michael Rassias,

Abstract:

We establish the Beurling-Hörmander theorem for the Fourier transform connected with the spherical mean operator. Applying this result, we prove

the Gelfand-Shilov and Cowling-Price type theorems for this transform.

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