

REPRESENTATION OF SCHRÖDINGER OPERATOR OF A FREE PARTICLE VIA SHORT-TIME FOURIER TRANSFORM

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We propose a new representation of the Schrödinger operator of a free particle by using the short-time Fourier transform. As an application, we give some estimates for the solution to Schrödinger equations on modulation and Wiener amalgam spaces.

The talk is based on joint work with Keiichi Kato (Tokyo University of Science) and Shingo Ito (Tokyo University of Science).

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