

ON THE ERGODIC HILBERT TRANSFORM IN  $L_2$  OVER A VON  
NEUMANN ALGEBRA

**Katarzyna Kielanowicz**

*Abstract:* In this note a noncommutative version of Jajte's theorem on the existence of the ergodic Hubert transform is given. As a noncommutative counterpart of the classical almost everywhere convergence the bundle convergence of operators in a von Neumann algebra and its  $L_2$ -space is used.

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**Key words and phrases:** Ergodic Hubert transform, von Neumann algebra, bundle convergence.

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