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**Title:** On the almost everywhere convergence of multiple Fourier series of square summable functions

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We prove that if the lacunary partial sums of the Fourier series of every square summable function concerning each one-dimensional orthonormal system  $\Phi_1, \ldots, \Phi_d$  converge almost everywhere, then the product system  $\Phi_1 \times \cdots \times \Phi_d$  also has a similar property for a quite general type of partial sums.

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