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tmenar@dumbo.camino.s.upm.es. Departamento de Matemática Aplicada E. T. S. de Ingenieros de Caminos, Canales y Puertos Universidad Politécnica de Madrid Ciudad Universitaria 28040-Madrid Spain.

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Theorem (Hunt, 1968) If $f \in \bigcup_{p>1} L^p(\mathbb{T})$ then $(S_n f)(x) \rightarrow f(x)$ for almost all $x \in \mathbb{T}$. There's an obvious sense in which Carleson's and Hunt's theorems can't be improved: we can't change 'almost all' to 'all', simply because changing a function on a set of measure zero doesn't change its Fourier coefficients. But there's...

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