

Keel, Markus; Tao, Terence

Endpoint Strichartz estimates. (English) Zbl 0922.35028

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Authors' abstract: We prove an abstract Strichartz estimate, which implies previously unknown endpoint Strichartz estimates for the wave equation (in dimension $n \geq 4$) and the Schrödinger equation (in dimension $n \geq 3$). Three other applications are discussed: local existence for a nonlinear wave equation; and Strichartz-type estimates for more general dispersive equations and for the kinetic transport equation.

Reviewer: [V.Iftimie \(București\)](#)

MSC:

[35B45](#) A priori estimates in context of PDEs

[35L70](#) Second-order nonlinear hyperbolic equations

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Keywords:

[Schrödinger equation](#); [nonlinear wave equation](#); [general dispersive equations](#); [kinetic transport equation](#)

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