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**Cristian Gavrus** (cgavrus1@jhu.edu), **Casey Jao\*** (cjao@math.toronto.edu) and **Daniel Tataru** (tataru@math.berkeley.edu). *Variable-coefficient wave maps in (1+2) dimensions.*

Wave maps are the natural generalization of solutions of the linear wave equation to mappings between (pseudo-)Riemannian manifolds. After several groundbreaking results in the previous decade, wave maps from Minkowski space  $\mathbf{R}^{1+n}$  are now well-understood, including the particularly delicate energy-critical case  $n = 2$ . I will discuss progress in extending these results to non-flat backgrounds. This is joint work with Cristian Gavrus and Daniel Tataru. (Received September 07, 2019)