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Hans Lindblad and **Mihai Tohaneanu*** (mihai.tohaneanu@uky.edu). *Global existence for quasilinear wave equations close to Schwarzschild.*

We study the quasilinear wave equation $\square_g u = 0$, where the metric g depends on u and equals the Schwarzschild metric when u is identically 0. Under a couple of extra assumptions on the metric g near the trapped set and the light cone, we prove global existence of solutions. (Received September 12, 2016)