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Fabio Pusateri* (fabiop@math.princeton.edu) and **Yu Deng**. *Asymptotics and blow-up at infinity for quasilinear wave equations.*

We consider a class of quasilinear wave equations in 3 space dimensions that satisfy the so-called weak-null condition. We derive precise asymptotics for large times and, in particular, show how blow-up occurs as time goes to infinity. (Received July 23, 2017)