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for a class of non star-shaped obstacles called illuminated from exterior. The main tool we use is the method of multipliers with weights that generalize the Morawetz multiplier to suit the geometry of the obstacle.

Scattering for the energy critical non-linear wave equation for domains exterior to non trapping

obstacles in 3+1 dimension is known for the star-shaped case. In this paper, we extend the scattering

Asymptotics of the critical non-linear wave

equation for a class of non star-shaped

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Submission history

obstacles

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