PRICE'S LAW FOR ELECTROMAGNETIC WAVES ON SCHWARZSCHILD/KERR BACKGROUNDS Mihai Tohaneanu

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I will describe recent work on establishing optimal pointwise decay estimates for solutions to the Maxwell system on black hole asymptotically flat relativistic backgrounds. This is related to the nonlinear black hole stability problem for Einstein's equations, and extends the work of three of the authors for the linear wave equation on the aforementioned backgrounds.