

Semi-Classical Charged Black Holes

I present numerical simulations of formation and evaporation of two dimensional charged black holes. I will start by introducing the model we use and explain the challenges we meet when we try to study the internal structure of black holes. I will then summarize the algorithm used and present results. In the classical case we observe the equivalent of the so-called mass inflation scenario for four dimensional charged black holes but then we study how quantum effects modify the global geometry of charged black holes.

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