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Title: "Backreaction in Analogue Gravity Systems"

Analogue gravity systems allow complex gravitational phenomena to be explored in a laboratory setting. The current focus of analogue gravity research is on the behaviour of classical and quantum fields on fixed background spacetimes. However, in many cases of interest, including the scattering of high-amplitude waves from small compact objects or the extreme case of late-stage Hawking evaporation, the spacetime geometry is altered significantly by interactions with a field. How such fields backreact onto the spacetime geometry is only partially understood, and requires further investigation. I will discuss a recent analogue black hole experiment that exhibits backreaction, and also admits a relatively simple theoretical description. I will then comment on future backreaction experiments, and the possibility of using analogue systems to provide experimental guidance for quantum gravity.