## 24th Australian Institute of Physics Congress



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## Modelling of noise in Brillouin-based storage and retrieval

Tuesday 13 December 2022 17:15 (15 minutes)

We present a numerical and analytical investigation of thermal noise processes in Brillouin experiments. We focus on Brillouin-based memory experiments, and explore the effects of noise on information retrieval for amplitude and phase-based storage with different pulse configurations.

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