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Optimal Quantum-Enhanced Interferometry Matthias D. Lang 1and Carlton M. Caves;2y 1Center for Quantum Information and Control, University of New Mexico, Albuquerque, New Mexico, 87131-0001, USA 2Centre for Engineered Quantum Systems, School of Mathematics and Physics, The University of Queensland, St Lucia, QLD 4072, Australia (Dated: June 4, 2018) We analyze the ultimate bounds on the phase ...

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