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Design Of Dispersive Optomechanical Coupling And Cooling In Ultrahigh-Q/V Slot-type Photonic Crystal Cavities . Ying Li,<sup>\*</sup> Jiangjun Zheng, Jie Gao, Jing Shu, Mehmet Sirin Aras, And Chee Wei Wong Jan 2th, 2024

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Optomechanical Trampoline Resonators Dustin Kleckner,<sup>1,2</sup> Brian Pepper,<sup>1</sup> Evan Jeffrey,<sup>3</sup> Petro Sonin,<sup>3</sup> Susanna M. Thon,<sup>1,4</sup> And Dirk Bouwmeester<sup>1,3,\*</sup> <sup>1</sup>Department Of Physics, University Of California, Santa Barbara, California 93106, USA <sup>2</sup>Current Address: The James Franck Institute, University Of Chicago, Chicago, Illinois 60637, USA <sup>3</sup>Huygens Laboratory, Leiden University, P.O. Box 9504, 2300 RA ... Feb 10th, 2024

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