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## NEURAL NETWORK FOR IMAGE-TO-IMAGE CONTROL OF OPTICAL TWEEZERS (PAPERBACK)



Neural Network for Image-to-Image Control of Optical Tweezers

NASA Technical Reports Server (NTRS), et al., Arthur J. Decker

Bibliogov, United States, 2013. Paperback. Condition: New. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. A method is discussed for using neural networks to control optical tweezers. Neural-net outputs are combined with scaling and tiling to generate 480 by 480-pixel control patterns for a spatial light modulator (SLM). The SLM can be combined in various ways with a microscope to create movable tweezers traps with controllable profiles. The neural nets are intended to respond to scattered light...

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- Authored by Arthur J Decker
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