

Abstract Submitted  
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**Measuring Light's Motion on a Rotating Platform** CHARLES ROGERS, RICHARD SELVAGGI, Texas A&M University - Commerce — This experiment uses a concentric optical cavity to measure the direction of the motion of light in a rotating frame of reference. Our hypothesis asks what affect does motion have on the measured trajectory of photons? Does the trajectory of light measured in a rotating platform differ from that measured in a non-rotating platform? The apparatus set-up, operation, and measured results are presented.

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