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Efficient Coupling of a Super Continuum Laser to a Double Monochromator[1] SAMANTHA SWORD-FEHLBERG, Northern Arizona University , RACHEL CUNIO, Saint Leo University, LINCOLN NATIONAL LABORATORY COLLABORATION — Hyperspectral imagers are electro-optical sensors capable of producing a spectral characterization of an image. Careful calibration of these instruments is critical to their performance, with an optimal calibration process having low uncertainty. The objective of this project is to create an optical mount that will make use of two electrically tunable lenses to efficiently couple a white light laser to a double monochromator thereby matching f/#'s over the entire range of wavelengths (400-2500 nm).

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