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Progress on developing an MRI analog lensless imaging technique using laser interference patterns.[1] DIONICIO SAUER, Univ of New Mexico, JAROM JACKSON, DALLIN DURFEE, Brigham Young University — A proof of principle experiment was developed and tested for the development of an MRI inspired lensless imaging technique employing laser interference patterns. One dimensional reflectivity profiles of illuminated samples were generated using the preliminary technique. Principles of the method and the following results will be discussed.

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