Abstract Submitted
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Design and Development of an Acoustic Field Scanner NICHOLAS SCOLES, CARL FREDERICKSON, Univ of Central Arkansas — A system has been designed to scan a microphone over a 30x30 cm plane to image an acoustic wavefield. The system uses two PI translation stages to provide motion in both the x and y directions. The scanners are controlled and data is collected using a Labiew vi developed for this system. A G.R.A.S. quarter inch microphone is scanned through the acoustic wavefield. This system will allow the characterization of acoustic sources as well as the wavefields scattered from target surfaces used to study acoustic caustic foci.

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