Ultrasound Using a Modified Synthetic Aperture Focusing Method

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In the last decades, the Synthetic Aperture Focusing contributions have spread over a wide variety of applications only constrained by the achievable image quality, the computational and the measurement’s complexity. In this work, a modified method for Synthetic Aperture Focusing in time domain is addressed trying to give a midpoint between the speed, accuracy, and the measurement’s automation. This presentation concludes with an evaluation of a selected probe and the reconstructions of small signatures of about 0.035mm. This work is based on the results from a research project found in [1].

REFERENCES: