

Acoustic forward model for guided wave propagation and scattering in a pipe bend

Rasgado Moreno, Carlos Omar; Rist, Marek; Land, Raul; Ratassepp, Madis Sensors 2022 / art. 486

<https://doi.org/10.3390/s22020486> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Developing guided wave tomography for a pipe bend = Ultrahelitomograafia toru põlvede kontrollimiseks

Rasgado Moreno, Carlos Omar 2025 https://www.ester.ee/record=b5736911*est <https://digikogu.taltech.ee/et/Item/aac8515a-2964-40c0-9048-983c52f48f1d> <https://doi.org/10.23658/taltech.18/2025>

Experimental challenges of guided wave tomography based on full waveform inversion for a pipe bend

Rasgado Moreno, Carlos Omar; Xu, Panpan; Ratassepp, Madis Guided Ultrasonic Waves: Emerging Methods (GUWEM): Linslerhof, Germany, 8-11 July 2024 : Abstracts 2024 / p. 30 <https://doi.org/10.5281/zenodo.12517188>

Geodesic equations for guided wave helical path separation for a pipe bend

Rasgado Moreno, Carlos Omar; Ratassepp, Madis Mechanical systems and signal processing 2023 / art. 110820

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Guided wave tomography of pipe bends based on full waveform inversion

Rasgado Moreno, Carlos Omar; Rist, Marek; Land, Raul; Ratassepp, Madis Ultrasonics 2025 / art. 107560

<https://doi.org/10.1016/j.ultras.2024.107560>

Numerical Application of Guided Wave Tomography Based on Full Waveform Inversion for a Pipe Bend

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Optimising full waveform inversion with inhomogeneous transducers : parameters and considerations for successful implementation

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Optimising full waveform inversion with inhomogeneous transducers: Parameters and considerations for successful implementation

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Quantitative imaging of elongated thickness defects in pipelines using ultrasonic guided wave tomography

Rasgado Moreno, Carlos Omar; Ratassepp, Madis ASME 2023 International Mechanical Engineering Congress and Exposition (IMECE2023) : proceedings. Vol. 1 2023 / art. 112228 <https://doi.org/10.1115/IMECE2023-112228>

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