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Axial acoustic radiation force on a rigid cylinder near an impedance boundary for on-axis Gaussian beam

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Highlights

- 1.The expression of acoustic radiation force on a cylinder near a boundary is derived.
- 2.The effects of impedance interface on acoustic radiation force are analyzed.
- 3.Acoustic radiation force at different positions of on-axis Gaussian beam is considered.
- 4.The influence of beam waist on acoustic radiation force is simulated.

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