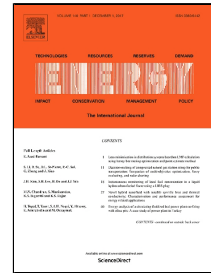


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Design and Construction of a Two-Stage Thermoacoustic Electricity Generator with Push-Pull Linear Alternator

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HIGHLIGHTS

- Waste heat recovery concept for electricity generation in marine IC engines tested
- A model travelling-wave, looped-tube thermoacoustic engine designed and tested
- Push-pull linear alternator layout studied in a two-stage arrangement of the resonator
- The linear alternator delivers just under 50W of electrical power

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