THE CARNOT PERFORMANCE COEFFICIENT AND THE EXERGETIC EFFICIENCY OF THE COMBINED THERMOACOUSTIC MACHINE (THERMOACOUSTIC ENGINE-ACOUSTIC WAVES AMPLIFIER)

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Abstract*:* The paper aims to determine the Carnot performance coefficient and the exergetic efficiency of the combined thermoacoustic machine, which couples a wave generator (thermoacoustic engine) with an acoustic wave amflifier, and the parameters that influence it.

Keywords: Carnot performance, exergetic efficiency, thermoacoustic engine, acoustic wave amplifier, combined thermoacoustic machine.

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