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## Free Energy and Internal **Combustion Engine Cycles**

William D. Harris

(Submitted on 11 Jan 2012)

The performance of one type (Carnot) of Internal Combustion Engine (ICE) cycle is analyzed within the framework of thermodynamic free energies. ICE performance is different from that of an External Combustion Engine (ECE) which is dictated by Carnot's rule.

Subjects: General Physics (physics.gen-ph); Chemical Physics

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