

“AVAILABLE” QUANTITIES IN THERMODYNAMICS

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Abstract: *The Fundamental Equation of Thermodynamics, on the basis of the Second Law of Thermodynamics, expresses the variation of the internal energy in a thermodynamic process with the help of work exchanged by the thermodynamic system and of the heat depending upon the variation of entropy. This paper proposes a generalization of work and heat by introducing the notions of “available work” and “available heat” which leads to a symmetrical expression of the differential thermodynamic functions.*

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