IJARSCT



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 4, Issue 1, October 2024

Fundamentals of Thermodynamics: Principles and Applications

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Abstract: This paper provides an overview of the fundamental principles of thermodynamics, exploring its laws, concepts, and applications in various scientific and engineering fields. By examining key topics such as energy transfer, the behaviour of systems, and the implications of thermodynamic laws, this paper aims to highlight the importance of thermodynamics in understanding and designing efficient systems in mechanical engineering, chemistry, and environmental science.

Keywords: Fundamental Principles, Various Laws Of Thermodynamics, Implication of Laws, Designing efficient System



