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moran, m.j. engineering thermodynamics mechanical ... - thermodynamics has undergone a revolution, both in terms of the presentation of fundamentals and in the manner that it is applied. in particular, the second law of thermodynamics has emerged as an effective tool for engineering analysis and design. michael j. moran department of mechanical engineering

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lecture 1: 09.09.05 introduction to fundamental concepts - thermodynamics in materials science [thermodynamics explains many phenomena in the natural world: \$\Delta\$ and it continues to be a fundamental part of new materials discoveries. thermodynamics in materials engineering \[the interpretation of a material's response to the forces in its environment is the basis of many technologies.\]\(#\)](#)

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