

FREEDOM AND EVOLUTION

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ABSTRACT

Evolution is the defining phenomenon of nature. Everywhere we look what we see is evolving because it is free to move and morph. Without change there is nothing--no image, no beauty, no time, no future. This abstract outlines the role played by freedom and evolution in physics (thermodynamics): given freedom, all movement exhibits the tendency to evolve into configurations that provide greater access. Let me begin with familiar designs (inanimate, animate) and conclude with why the physics of evolution is not only useful but also necessary to human progress. Man can use what he sees in evolution to improve all the things that make our lives better. The abstract is based on the new book: **FREEDOM AND EVOLUTION: Hierarchy in Nature, Society and Science** (Springer, New York, January 2020).

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