

# A New Perspective on Thermodynamics (Paperback)

By Bernard H Lavenda

Springer-Verlag New York Inc., United States, 2014. Paperback. Book Condition: New. 2010 ed.. 235 x 155 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. More than to any other single individual, thermodynamics owes its creation to Nicolas-Leonard-Sadi Carnot. Sadi, the son of the great Carnot Lazare, was he-ily in uencedby his father. Not onlywas LazareMinister of War duringNapoleon s consulate, he was a respected mathematician and engineer in his own right. Maematically, Lazare can lay claim to the de nition of the cross ratio, a projective invariant of four points. Lazare was also interested in how machines operated, - phasizing the roles of work and vis viva, or living force, which was later to be associated with the kinetic energy. He arrived at a dynamical theory that machines in order to operate at maximum ef ciency should avoid any impact or sudden change. This was the heritage he left to his son Sadi. The mechanics of Newton, in his Principia, was more than a century old. It dealt with the mechanics of conservative systems in which there was no room for p- cesses involving heat and friction. Such processes would ruin the time reversibility of ...



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