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Title:	Quantum heat engines and nonequilibrium temperature
Authors:	Johal, R.S. (/jspui/browse?type=author&value=Johal%2C+R.S.)
Keywords:	Bipartite quantum systems
	Effective temperature
	Non equilibrium
	Nonequilibrium temperatures
	Quantum heat engines
	Reversible work
Issue Date:	2009
Publisher:	American Physical Society
Citation:	Physical Review E - Statistical, Nonlinear, and Soft Matter Physics, 80 (4), art. no. 041119
Abstract:	A pair of two-level systems initially prepared in different thermal states and coupled to an external reversible work source do not in general reach a common temperature at the end of a unitary work extraction process. We define an effective temperature for the final nonequilibrium but passive state of the bipartite quantum system and analyze its properties.
URI:	http://pre.aps.org/abstract/PRE/v80/i4/e041119 (http://pre.aps.org/abstract/PRE/v80/i4/e041119)
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