

Geometric Phase of a Coupled System

H. S. Abdel -Aziz

Mathematics Department, Faculty of Science, South Valley University, Sohag, Egypt
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Abstract: In this contribution, my main attention is paid to the study of the geometric phase of a two-level system. Asymptotic expansion of the eigenvalue and analytic information are obtained. The results are illustrated with an application to a specific atomic system.

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Key words: geometric phase, two-level system

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