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Title: Exceptional points in time-independent Non-Hermitian quantum systems

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Exceptional points in quantum systems

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Abstract: In this work , the non-Hermitian degeneracies called exceptional points occuring in non-Hermitian systems has been studied. A Discrete Variable Representation

algo rithm has been divised to check for the existence of the exceptional points and its verification for non-Hermitian systems that are dependent on a complex

parameter. The systems studied in this work are 1-dimensional finite square well potential system and double well potential system.

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