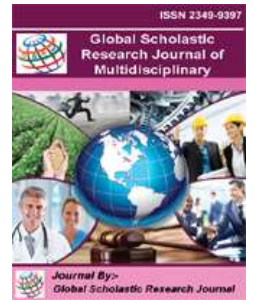




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RESONANT SOLUTION OF THE EQUATIONS AND ITS STABILITY

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Abstract

This paper is concerned with the difference between the non-resonance and resonance cases in a non-linear oscillation. The stationary solution in the non-resonance case is stable. The stability; in the resonance case is possibly only when the roots of characteristic equation have negative real parts.

Key words- Resonance, stability, negative real parts stationary solution, non-linear oscillation

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