

**DISCONJUGACY VIA LYAPUNOV AND VALLÉE-POUSSIN
TYPE INEQUALITIES FOR FORCED DIFFERENTIAL
EQUATIONS**

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(JOINT WORK WITH DR. RAVI P. AGARWAL)

ABSTRACT. In this talk, in the case of oscillatory potentials, we present some new Lyapunov and Vallée-Poussin type inequalities for second-order forced differential equations. No sign restriction is imposed on the forcing term. The obtained inequalities generalize and complement the existing results in the literature.

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