LIMIT CYCLE PADA MODEL MATEMATIKA FORCED VIBRATIONS OSCILATOR YANG MASSANYA BERVARIASI TERHADAP WAKTU

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ABSTRACT

This study examines the possibility of a Limit Cycle in the mathematical model of a forced Vibration Oscillation whose mass varies with time. The aerodynamic style in this model Taylor expanded to high orders. The analysis results from the model meet the Lienard system so that Limit Cycles and stability can be found.

Kata Kunci: *Limit cycle, forced vibration oscillation*