## INSTABILITY FOR A CERTAIN FUNCTIONAL DIFFERENTIAL EQUATION OF SIXTH ORDER

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Abstract. Sufficient conditions are obtained for the instability of the zero solution of a certain sixth order nonlinear functional differential equation by the Lyapunov- ${\bf Krasovskii\ functional\ approach.}$ 

Key words: Instability, Lyapunov-Krasovskii functional, delay differential equation, sixth order.