Design Of Spring System In The Linear Motion Engine With Optimize Multilevel Approach

Name : Muhamad Zaki Mubarak  
NRP : 4208 100 110  
Department : Marine Engineering  
Supervisor 1 : Dr.Ir. Aguk Zuhdi M.F., M.Eng  
Supervisor 2 : Ir. Tjoek Suprajitno

Abstract

Spring system is promoted for used to be a turn over cycle in the linear motion of combustion engine. The aim is to get the optimum operation in the spring design which receive kind of load variations. The optimization that use multilevel approach design was used for discovering this problem by using excel solver as the tool for programming. And the result is the spring design which the chrome vanadium alloy stell shot peened treatment that has wire diameter 7,5 mm, and the amount of "koil" are 11.

Keyword: Linear engine, optimization, spring
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