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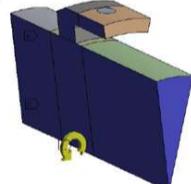
Optimal Design of Multi-Objective Parameters for Interference Fit of Motor Fan Pedestal based on ANSYS

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Introduction:

This paper mainly uses the powerful parameter optimization and analysis capabilities of Workbench, and its own goal-driven optimization design (Goal-Driven Optimization) can quickly complete the analysis and calculation.

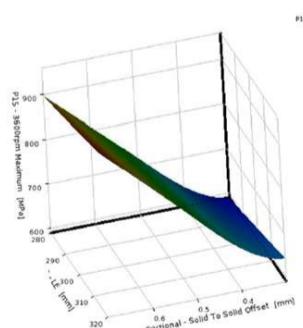
Workbench Support



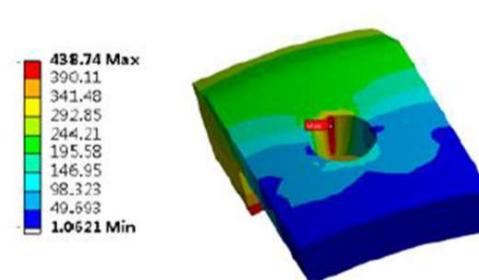
(Model)

A	B
ID	Parameter Name
Input Parameters	
P10	Frictional - Solid To Solid Offset
yuJia-B0mm (B1)	
Geometry (A1)	LE
P3	New name
Output Parameters	
yuJia-B0mm (B1)	Open Maximum
P13	3000pm Maximum
P14	3600pm Maximum
P15	friction force
P16	New output parameter
Charts	Parameter Chart 0

Response diagram of the outer diameter of the shaft and the thickness of the shrink sleeve to the equivalent stress.



(Response diagram)



(Equivalent Stress)