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Simulation

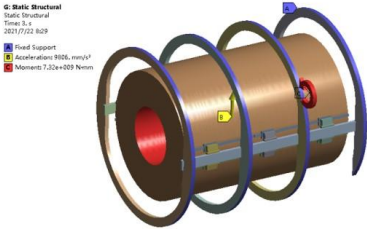
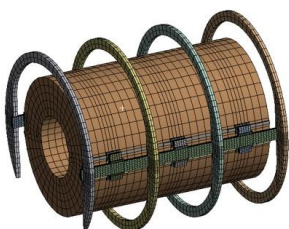
*Optimization Design of the Core
of Motor Based on Transient
Dynamics*
(CS773)

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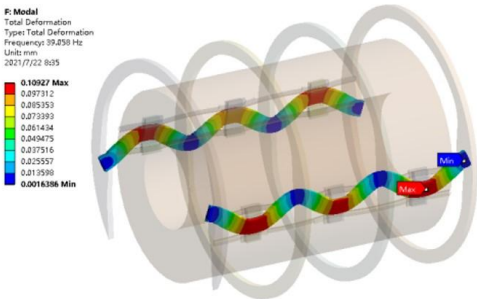
Introduction:

Utilizing ANSYS software, a thorough transient dynamic analysis was conducted on the motor core based on detailed static analysis, aiming to simulate its dynamic behavior during various operational phases such as startup, acceleration, steady operation, and deceleration in real-world environments.

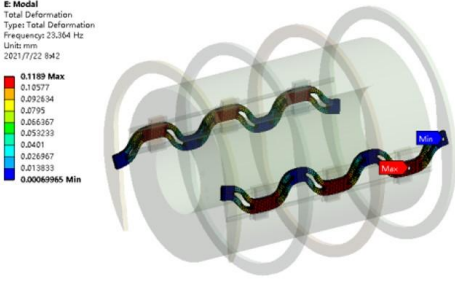


(Model)

Based on the static analysis, this article conducts a transient dynamic analysis of the Motor core of the generator,



(Core torsion frequency before improvement)



(Improved core torsion frequency)