

Coupled magneto-mechanical analysis of iron sheets under biaxial stress

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Domain decomposition approach for efficient time-domain finite-element computation of winding losses in electrical machines

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Effects of stator core welding on an induction machine – measurements and modeling

Sundaria, Ravi; Daem, Andries; Osemwinyen, Osaruyi; Lehtikoinen, Antti; Sergeant, Peter; Arkkio, Antero; **Belahcen, Anouar** Journal of Magnetism and Magnetic Materials 2020 / art. 166280 <https://doi.org/10.1016/j.jmmm.2019.166280> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A High-performance open-source finite element analysis library for magnetics in MATLAB

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Homogenization technique for axially laminated rotors of synchronous reluctance machines

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Hybrid FEA-Simulink modelling of permanent magnet assisted synchronous reluctance motor with unbalanced magnet flux

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Improved sampling algorithm for stochastic modelling of random-wound electrical machines

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Influence of magnetic forces and magnetostriction on the vibration behavior of an induction motor

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Investigation of the causes behind the vibrations of a high-speed solid-rotor induction motor

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Loss model for the effects of steel cutting in electrical machines

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Reduced basis finite element modeling of electrical machines with multiconductor windings

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A Simple and efficient quasi-3D magnetic equivalent circuit for surface axial flux permanent magnet synchronous machines

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