

AC magnetic loss reduction of SLM processed Fe-Si for additive manufacturing of electrical machines

Tiismus, Hans; Kallaste, Ants; Belahcen, Anouar; Tarraste, Marek; Vaimann, Toomas; Rassõlkin, Anton; Asad, Bilal; Shams Ghahfarokhi, Payam Energies 2021 / 13 p. : ill <https://doi.org/10.3390/en14051241> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Additive Manufacturing and Performance of E-Type Transformer Core

Tiismus, Hans; Kallaste, Ants; Belahcen, Anouar; Rassõlkin, Anton; Vaimann, Toomas; Shams Ghahfarokhi, Payam Energies 2021 / art. 3278 <https://doi.org/10.3390/en14113278> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Additively manufactured advanced thermal management solutions for electrical machines = Kihltisandusmeetodil valmistatud täiustatud jahutuslahendused elektrimasinatele

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Analysis of advanced passive heatsinks for electrical machines enabled by additive manufacturing

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Analysis of the local and global forces acting on the coil structure of a modular slotless permanent magnet generator

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Analytical thermal model and flow network analysis suitable for open self-ventilated machines

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Corrections to “Opportunities and Challenges of Utilizing Additive Manufacturing Approaches in Thermal Management of Electrical Machines”

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Design of an additively manufactured polymer composite electrical machine

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Determination of core losses using an inverse modeling technique

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Determination of forced convection coefficient over a flat side of coil

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Determination of heat transfer coefficient for the air forced cooling over a flat side of coil

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Determination of heat transfer coefficient from housing surface of a totally enclosed fan-cooled machine during passive cooling

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Determination of natural convection heat transfer coefficient over the fin side of a coil system

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Determination of thermal convection coefficient from coil's flat plate side

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Development of analytical thermal analysis tool for synchronous reluctance motors

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Experimental investigation of high viscosity on oil spray cooling system with hairpin winding

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Hairpin windings for electric vehicle motors : modeling and investigation of AC loss-mitigating approaches

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Integrating smart energy management system with internet of things and cloud computing for efficient demand side management in smart grids

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The modeling and investigation of slot skews and supply imbalance on the development of principal slotting harmonics in squirrel cage induction machines

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Steady-state thermal model of a synchronous reluctance motor

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Thermal analysis of a SynRM using a thermal network and a hybrid model

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