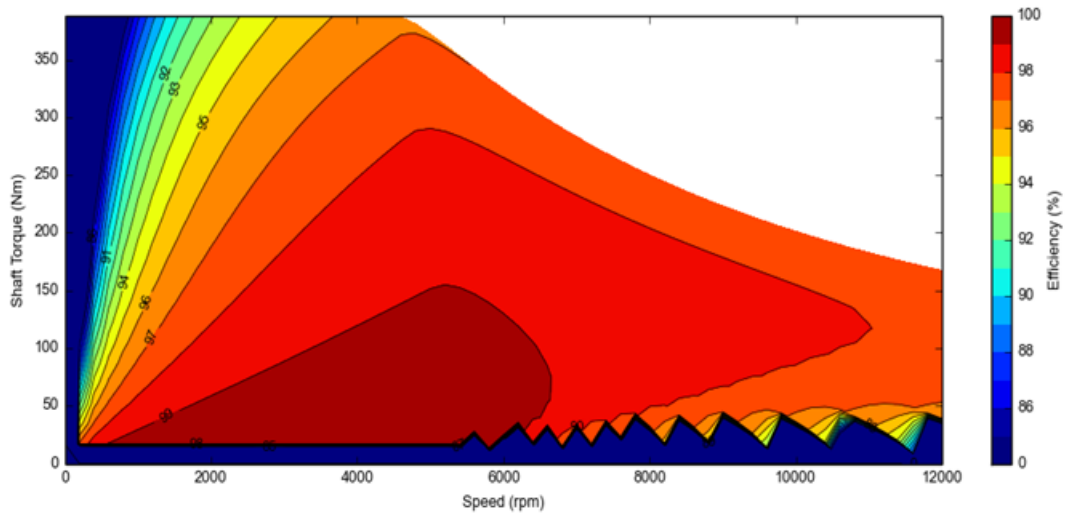




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Advances in Science and Technology



Efficiency map of hairpin winding design.

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[1].A. Arbabi, Y. Horie, A. J. Ball, M. Bagheri, and A. Faraon, "Subwavelength-thick lenses with high numerical apertures and large efficiency based on high-contrast transmitarrays," *Nat. Commun.* 6, 7069 (2015).
[2].B.Saleh and M. Teich, *Fundamentals of Photonics*, John Wiley & Son, page 120, (2013).
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