



ANSYS v16.0 Low Frequency: New Features and Enhancements

April 07, 2015 | 11.00am IST | 60 minutes

Presented by: Ashish Deshpande, Lead Technology Specialist, ANSYS India

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In this webinar we would be discussing on the various enhancements made in ANSYS Maxwell 16. The advancements include the upgradation brought to the numeric solver technologies, vector hysteresis modeling, hysteresis model-based magnetization, core loss calculation, accurate handling of the BH curve. Webinar also talks about the inclusion of new boundary conditions and advanced meshing capabilities in 3D. Extraction of Reduced Order Model for Electric Machines can be carried out by using dedicated elements. The Electric Machine Design Toolkit has been enhanced to handle new motor models. During the webinar we would also discuss about the template based magnetic and thermal analysis by coupling RMxprt and Motor CAD. We would also be talking about the enhancements done for multiphysics simulation, like the improvements in the harmonic stress coupling. For the first time component library also have library for housing and end caps. Various enhancements in the performance and post processing would also be discussed in the webinar.

About the presenter:



Ashish Deshpande is a Lead Technology Specialist at ANSYS, responsible for support and services of low-frequency electromagnetic applications such as sensors, transformers, electric machine inverters, controllers and solenoids. Ashish holds an M.Tech in electrical engineering and has over 15 years of experience in electromagnetic and power electronics domain. His areas of interest are HEV and permanent magnet drives. Prior to joining ANSYS, he worked with Emerson and Kirloskar in their R&D division. He has published several papers / articles in journals like IEEMA, Electrical Monitor, ICAT and

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