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The development of multi-scale method for simulating large-scale REBCO-based coils

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The multi-scale method for calculating AC loss of large-scale REBCO-based coils has been proposed for several years. I am one of the researchers contributing to the development of the multi-scale method to enhance its calculation capability. In this presentation, the development of the multi-scale method will be introduced, in which one can find the detailed modelling strategy of the method based on H and T-A formulations, the extension of the method from 2D to 3D models and how the method is employed to simulate large-scale HTS coils with complex geometry.

Topic

Innovative methods and tools for modelling large-scale HTS systems

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