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FINITE ELEMENTS FOR ELECTRICAL ENGINEERING

In Finite Element Analysis of Electrical
Machines the author covers two-
dimensional analysis, emphasizing the
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In this paper, a new synchronous machine (SM) modeling is presented using the field reconstruction method (FRM). The FRM for SM has been developed and covers the two main categories: non-salient and salient poles. The FRM concepts are described, and the basis function for stator and rotor is detailed for the target machines. The FRM model is then used as a tool of machine analysis.

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