البحث رقم (4)

عنوان البحث :	**Modeling, Simulation and Classification of Power Transformer Faults Based on SFRA Test**
المؤلفون	Ahmed E. Shaban, Khaled Hosny Ibrahim ,Tamer M. Barakat
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Frequency response analysis (FRA) is gaining global popularity in detecting power transformer winding and core deformations due to its sensitivity to electrical and mechanical changes that may occur in transformers. Although there are many researches on fault diagnosis using FRA method, there is still no universally accepted interpretation technique for these tests. Since FRA depends on graphical analysis, interpretation of its signatures is still a great challenge that requires an expert opinion to detect the type of fault.

This paper simulates different types of transformer faults at different conditions also some statistical parameters are calculated for the simulated faults to help determining the type of fault.