

UMW Colloquium Announcement
Department of Mathematics

Finite Element Methods and its Applications

Presented by

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Abstract: When using computers to find a good approximation of the solution to a given problem, we want to use a computational method that is not only fast but also mathematically proven to give an accurate approximation. Finite elements methods are popular fast computational methods that also have a solid mathematical theory behind it. In this talk, I will give an introduction to finite element methods and its applications. I will also talk about applying finite element methods to axisymmetric problems which are problems defined on a domain that is symmetric with respect to an axis.

