

MIMS現象数理カフェセミナー

日時: 2020年8月26日(水) (13:30 - 14:10)

場所: 今年度はZoomでのリモート開催となります

Discontinuous Galerkin method for elliptic problems

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Abstract: The discontinuous Galerkin (DG) method is one of numerical methods for solving PDEs. We use a discontinuous function which is polynomial in each element and introduce a numerical flux on each boundary. The study of stability and convergence for linear problems developed well. But, analysis of DG method in consideration of applications has room for further study in comparison with those of other numerical methods (eg. FDM, FEM).

In this talk, I will show some analysis and numerical examples of DG method.



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