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The variational collocation method

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We propose the variational collocation method for the numerical solution of PDEs

We find a direct connection between the Galerkin method and classical collocation

We show the existence of collocation sites that produce the Galerkin solution exactly

Variational collocation is applicable to IGA and some meshfree methods

In IGA collocation we remove the odd/even degree discrepancy in the rate convergence

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