

# Numerical Analysis and Scientific Computing Seminar

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SN-4040, 2-3pm**

***Nitsche's method for essential boundary conditions***

**Abstract:**

We consider finite element methods in which essential boundary conditions are imposed in a weak sense using the Nitsche-type penalty method. This approach is applied for second- and fourth-order PDEs. Also, we present the error estimates, and some numerical results to show the accuracy of this method.