

1147-65-881

Jeonghun Lee* (jeonghun_lee@baylor.edu). *Numerical methods for Hodge Laplace problems with local coderivative on cubical meshes*. Preliminary report.

In this talk we consider high order numerical methods for Hodge Laplace problems with local coderivative on cubical meshes. We show that such methods can be obtained by constructing a new family of finite element differential forms. (Received January 29, 2019)