Seminario SANMoMa-Graduados

Centro de Investigación en Ingeniería Matemática, CI²MA, UDEC

Expositor:

Mauricio Munar*

Título de la charla:

H(div)-conforming VEM: uniform and adaptive mesh refinement

Lugar:

Hall del CI²MA

Fecha:

Miércoles 27 de Noviembre. 15:30 Horas[†]

Resumen

The Virtual Element Method (VEM) can be interpreted as an evolution of the Mimetic Finite Differences methods offering high order approximation spaces on computational meshes consisting of general polytopic elements. In this talk, we introduce the main features of H(div)-conforming discretizations for VEM. Moreover, we show the basic ideas to handle second order elliptic equations as well as the tools required to implement adaptive algorithms that are able to take advantage of the flexibility offered by such general meshes.

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*Estudiante de Doctorado en Ciencias Aplicadas c/m Ingeniería Matemática, Universidad de Concepción

[†]Información: Bryan Gómez, Paul Méndez (`sanmoma-graduados@ci2ma.udec.cl`)