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Title: Does the shape of domain affect the basis of the Sobolev space?

Abstract: While the Sobolev spaces on nice domains do have a basis, its existence is still not known for domains with a complicated boundary. In this talk I'll show that a weaker than the existence of the basis property - the Bounded Approximation Property - is true for any planar simply connected domain without regard to the properties of the boundary. (The work is joint with M. Wojciechowski)
