Analysis Seminar

“Backstepping for Higher Order PDEs”

By

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Abstract: I will make a quick introduction to backstepping, a method for constructing boundary feedback controllers for partial differential equations (PDEs). I will use the canonical example of an unstable heat equation for this. Then, I will talk about some recent results on the application of this method to Korteweg–de Vries (KdV) type higher order PDEs. A few open problems will be discussed, too.
The level of talk is suitable for students who have some acquaintance with PDEs and their basic analysis.

Date: Tuesday, December 8
Time: 15:00 – 16:00
Place: ZOOM

To request the event link, please send a message to goncha@fen.bilkent.edu.tr