

Colloquium

New and classical perspectives of the Sobolev spaces

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地 點：應用數學系多媒體教室（理 408 室）

摘 要：

In this talk, I will review some of the historical developments of the Sobolev spaces alongside a recent characterization obtained by the speaker. In particular, I will show that this characterization would have been natural to guess half a century ago, as it anchors the spaces in a very concrete way into the more well-known area of advanced calculus. While a good understanding of calculus is a prerequisite, no prior knowledge of Sobolev spaces is assumed.

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