

Geometry of tensor products and bilinear mappings in Banach spaces

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The aim of this course is to introduce the projective tensor product from the natural linearisation property of bilinear and continuous mappings. By the geometric spirit of this course and the difficulty of making explicit computations with the projective norm, we will pay a special attention to the identification of the dual of the projective tensor product as a space of bilinear and continuous mappings.

After this is done, we will focus on analysing a selection of questions on projective tensor products and on the space of bilinear and continuous mappings of geometric nature.

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