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COLLOQUE

Mardi 7 décembre 2021

A 17h00

Auditoire B103

Conférencier : Prof. Nicolas Monod
(EPF Lausanne)

“Cut and paste : Frankenstein’s tribute to von Neumann”

Abstract

About hundred years ago, the Hausdorff-Banach-Tarski was established: a dissection procedure by which almost any geometric body can be duplicated, shrunk, or otherwise transmogrified. J. von Neumann rephrased this phenomenon in terms of group theory.

I will describe a very clean surgical process, inspired by Frankenstein's experiment, where we cut unsuspecting 2-by-2 matrices and paste them together to obtain new and simple answers to an old problem of von Neumann.

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