



Seminar Title

“Linear PDE with Constant Coefficients”

Speaker: Prof. *Bernd Sturmfels*
(MPI Leipzig and UC Berkeley)



Date/Time: Monday March 28, 2022

4:00 PM - 5:00PM

Abstract

We discuss practical methods for computing the space of solutions to an arbitrary homogeneous linear system of partial differential equations with constant coefficients. These rest on the Fundamental Principle of Ehrenpreis–Palamodov from the 1960s. We develop this further using recent advances in computer algebra, and we show how to make waves from determinantal varieties.