

Abstract

Oberwolfach Workshop:

Dynamics of Waves and Patterns

Dates:

8 - 14 Aug 2021 (Code: 2132)

Organizers:

Margaret Beck, Boston
Martina Chirilus-Bruckner, Leiden
Christian Kühn, Garching
Jens Rademacher, Bremen

This workshop is focused on developing the understanding of nonlinear waves and patterns from a mathematically rigorous point of view. In addition to the connection of this topic with a variety of applications, the importance of this area stems from the depth and variety of mathematical techniques that are being employed in its study. This workshop will bring together leading researchers from the key subareas of stability on extended domains, bifurcations, stochastics, and spatio-temporal inhomogeneities, to discuss the state of the art and shape the future directions of this important area of mathematics.