

Compatible transfer systems on a grid

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Transfer systems are the central objects of study in Homotopical Combinatorics, as they allow us to use combinatorial tools to study equivariant homotopy theory topics. Furthermore, compatible pairs of transfer systems help us understand the relationship between multiplicative norm maps and additive transfer maps of bi-incomplete Tambara functors over a group G . In this talk, I will define a transfer system for a fixed group G and discuss the fundamental concepts of saturation and pairs of compatible transfer systems. Additionally, I will outline a criterion for determining when a transfer system only forms trivially compatible pairs. This is joint work with Kristen Mazur, Angelica Osorno, Constanze Roitzheim, Rekha Santhanam, and Danika Van Niel.

In Special Session 6 on Discrete Homotopy Theory at the Mathematical Congress of the Americas 2025.