1163-16-639   **Birge Huisgen-Zimmermann*** (`birge@math.ucsb.edu`). *Dualities induced by tilting modules.*
It is well known that arbitrary tilting bimodules over finite dimensional algebras give rise to partial equivalences of the corresponding module categories. The main point of the talk is to supplement these thoroughly explored covariant functors by dualities. In fact, we show that all dualities defined on certain types of representation-theoretically relevant subcategories of module categories are induced by tilting modules. We discuss the impact of these dualities and outline applications. (Received September 10, 2020)