

► MATTHIAS BAAZ, *Generalization*.

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In this lecture we compare generalizations based on logical transformations to generalizations in mathematics. Concerning logical transformations we focus on

- generalizations based on invariants of proofs wrt to conclusions/premises
- generalizations based on invariants of theories.

In addition we consider the problem of confluence wrt generalizations based on proof transformations. This is connected to the relation of the cut-free proof after cut-elimination to the original proof.