

A tutorial on order-invariant logics

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Order-invariant formulas are formulas for which the following is true: If a structure satisfies the formula with one particular linear order of the structure's universe, then it satisfies the formula with any linear order of the structure's universe. This tutorial will give an introduction to order-invariant logics: In particular, we will see examples demonstrating the expressive power of these logics, as well as tools for showing certain expressive weaknesses.