▸ ARNOLD OOSTRA, *Lattices of classical and intuitionistic propositional sublogics.*
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Intuitionistic propositional logic is defined by Hilbert-style axioms on the binary connectives of conjunction, disjunction, and implication, as well as the constant connective of absurdity [1]. Any subset of these connectives determines a deductive system by restricting the axioms or rules to the selected operators, thus generating a lattice of sublogics of intuitionistic logic. Some of these logics have been studied in the past without considering them in a global context [2, 3, 8]. This analysis of these logics is inspired by the exploration of Peircean-style diagrammatic systems for such sublogics, based on intuitionistic existential graphs [4, 5, 6, 7]. In this talk, we will develop a similar lattice for classical propositional logic, which, as might be expected, turns out to be much simpler.

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