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CLOCK LATTICES OF SPANNING TREES OF PLANE GRAPHS

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Abstract of Report Talk: In his book *Formal Knot Theory*, Kauffman defines the clock lattice of a connected plane graph. The lattice consists of spanning trees of the graph, and the relation is defined by clock moves. Kauffman shows that the clock lattice is a graded distributive lattice. By Birkhoff's Theorem, any graded distributive lattice can be described by its join irreducible elements. We explore how the clock lattice is constructed and its join irreducible elements.

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