

[Banaschewski, Bernhard](#); [Frith, J. L.](#); [Gilmour, C. R. A.](#)

On the congruence lattice of a frame. (English) Zbl 0637.06006

Pac. J. Math. 130, No. 2, 209-213 (1987).

It is well known that the congruence lattice of a frame L (or its isomorph, the lattice of nuclei of L) is itself a frame. The main result of this paper is that the congruence lattice of L is compact precisely when L is Noetherian; this is then applied (via a result of H. Simmons characterizing the space of points of the congruence lattice of L) to recover a result of R.-E. Hoffmann on when the Skula modification of a topological space is compact.

Reviewer: [P.T.Johnstone](#)

MSC:

[06D20](#) Heyting algebras (lattice-theoretic aspects)

[54B30](#) Categorical methods in general topology

Cited in **6** Documents

Keywords:

[congruence lattice](#); [frame](#); [lattice of nuclei](#); [Skula modification of a topological space](#)

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