

Countable meets of opens in coherent spaces

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Abstract.

We have shown that if $\{U_i\}$ is a countable family of open sets in a coherent space X , then the set $\bigcap U_i$ coincides in the lattice of sublocales of X with their inf $\bigwedge U_i$. I will define coherent space, explain the difference between subspaces and sublocales and, as time permits, give a sketch of the argument.

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