

二つの積と三つの積

Products of 2 spaces and Products of 3 spaces

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The following are known:

- All subspaces of ω_1 are normal and countably paracompact.
- There is a subspace of ω_1^2 which is not countably paracompact.
- All subspaces of ω_1^2 (more generally, ω_1^n for each $n \in \omega$) are countably metacompact.
- There is a subspace of ω_1^ω which is not countably metacompact.

Recently I proved:

- All subspaces of ω_1^2 are countably subparacompact, where a space is countably subparacompact if every countable open cover has a σ -locally finite closed refinement.

And I conjectured:

- (?) All subspaces of ω_1^n , $n \in \omega$, are countably subparacompact.

I talk about this conjecture.

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