

Uvod u topologiju – 23.11.2016. Dodatni zadaci za samostalan rad uz vježbe br. 8

- [Z1] Neka je X skup sa barem dvije tačke. Dokazati da diskretni prostor (X, \mathcal{T}) i indiskretni prostor (X, \mathcal{T}') nemaju osobinu fiksne tačke.
- [Z2] Da li prostor s kofinitnom topologijom ima osobinu fiksne tačke?

Nekoliko matematičkih šala za razonodu, preuzeto iz knjižice Math Jokes 4 Mathy Folks autora G. Patricka Vennebusha:

- What's the difference between a math PhD and a large pizza? – A large pizza can feed a family of four.
- What is non-orientable and lives in the ocean? – Moebius Dick.
- What is sour, yellow, and equivalent to the axiom of choice? – Zorn's lemon.
- What is green and homeomorphic to the open unit interval? – The real lime.
- How many topologists does it take to change a light bulb? – Just one. But what will you do with the doughnut?
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