

Petr Simon, Gino Tironi
No hedgehog in the product?

Comment.Math.Univ.Carolinae 43,2 (2002) 349-361.

Abstract: Assuming OCA, we shall prove that for some pairs of Fréchet α_4 -spaces X, Y , the Fréchetness of the product $X \times Y$ implies that $X \times Y$ is α_4 . Assuming MA, we shall construct a pair of spaces satisfying the assumptions of the theorem.

Keywords: Fréchet space, α_4 -space, Fréchet fan, (κ, κ) -good set

AMS Subject Classification: Primary 54D55; Secondary 54B10, 54G20, 03E50, 03E65