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**A new topology on function spaces.** (English) Zbl 0778.46015

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Summary: The purpose of this paper is to introduce and investigate a new topology on function spaces. This new topology is called almost compact open topology. The behaviour of this topology with respect to joint  $\theta$ -continuity and joint strong  $\theta$ -continuity is studied and a criterion for compactness in function spaces with respect to this topology is also established.

**MSC:**

**46E10** Topological linear spaces of continuous, differentiable or analytic functions Cited in 1 Review

**Keywords:**

almost compact open topology; joint  $\theta$ -continuity; joint strong  $\theta$ -continuity; compactness in function spaces