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**A new constructive version of Baire's theorem.** (English) Zbl 1111.46058

Hokkaido Math. J. 35, No. 1, 107-118 (2006).

Summary: A new constructive version of Baire's theorem is given and then applied to two problems in functional analysis. The second of these applications provides a new proof that compactly generated Banach spaces are finite-dimensional.

**MSC:**

46S30 Constructive functional analysis

Cited in 2 Documents

**Keywords:**

Baire's theorem; open mapping; compactly generated Banach space

**Software:**

Nuprl

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