



# On primitive geometries of rank two\*

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## Abstract

In this paper, we describe a new algorithm to classify primitive coset geometries of rank two for a given group  $G$ . This algorithm allows us to classify those geometries for the 12 smallest sporadic simple groups.

*Keywords: Primitive coset geometries, sporadic groups, codes, designs.*

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# O primitivnih geometrijah ranga dve\*

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## Povzetek

V tem članku opišemo nov algoritem, ki klasificira primitivne odsekovne geometrije ranga dve za dano grupo  $G$ . Ta algoritem nam omogoča klasificirati te geometrije za 12 najmanjših sporadičnih enostavnih grup.

*Ključne besede: Primitivne odsekovne geometrije, sporadične grupe, kode, načrti.*

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