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Tango bundles on Grassmannians. (English) [Zbl 1357.14061](#)
Math. Nachr. 289, No. 8-9, 950-961 (2016).

The authors construct examples of indecomposable vector bundles on Grassmannians $\text{Gr}(r, k)$, whose rank is smaller than the dimension of $\text{Gr}(r, k)$. These bundles are obtained as a quotient of globally generated bundles, by generalizing the construction of H. Tango for rank $n - 1$ bundles on \mathbb{P}^n . The proof of the existence is based on computations in Schubert calculus, which are performed by means of a method introduced by *L. Gatto* [*Asian J. Math.* 9, No. 3, 315–322 (2005; [Zbl 1099.14045](#))]. The authors describe the structure of Tango bundles on Grassmannians and prove that they are stable (in the sense of Mumford-Takemoto). Finally, the authors describe the component of Tango bundles in the Maruyama moduli scheme.

Reviewer: Luca Chiantini (Siena)

MSC:

[14M15](#) Grassmannians, Schubert varieties, flag manifolds
[14F05](#) Sheaves, derived categories of sheaves, etc. (MSC2010)

Keywords:

[vector bundles](#); [Grassmannians](#)

Full Text: [DOI](#)

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