

Okonek, Christian; Schneider, Michael; Spindler, Heinz

Vector bundles on complex projective spaces. (Vektornye rassloeniya na kompleksnykh proektivnykh prostranstvakh). Transl. from the English. (Russian) [Zbl 0598.32022](#)

Matematika. Novoe v Zarubezhnoj Nauke, 36. Moskva: Izdatel'stvo "Mir". 310 p. R. 1.80 (1984).

Translation of the English original (1980; [Zbl 0438.32016](#)).

MSC:

- [32L05](#) Holomorphic bundles and generalizations
- [32-01](#) Introductory exposition (textbooks, tutorial papers, etc.) pertaining to several complex variables and analytic spaces
- [14-02](#) Research exposition (monographs, survey articles) pertaining to algebraic geometry
- [14F05](#) Sheaves, derived categories of sheaves, etc. (MSC2010)
- [32G13](#) Complex-analytic moduli problems
- [14D20](#) Algebraic moduli problems, moduli of vector bundles
- [14D22](#) Fine and coarse moduli spaces
- [57R22](#) Topology of vector bundles and fiber bundles
- [14-03](#) History of algebraic geometry
- [32-03](#) History of several complex variables and analytic spaces
- [14M07](#) Low codimension problems in algebraic geometry
- [14M15](#) Grassmannians, Schubert varieties, flag manifolds
- [15A72](#) Vector and tensor algebra, theory of invariants
- [14L24](#) Geometric invariant theory

Cited in **2** Reviews
Cited in **4** Documents

Keywords:

vector bundles on complex projective spaces; homogeneous bundle; monad; theory of moduli; coherent sheaves; splitting of bundles; stable bundles; fine moduli spaces; duality; Chern class; survey; bibliography