

Goldberg, V. V.

Rank problems for webs $W(d, 2, r)$. (English) [Zbl 0789.53008](#)

Szente, J. (ed.) et al., Differential geometry and its applications. Proceedings of a colloquium, held in Eger, Hungary, August 20-25, 1989, organized by the János Bolyai Mathematical Society. Amsterdam: North-Holland Publishing Company. Colloq. Math. Soc. János Bolyai. 56, 317-357 (1992).

A detailed account of rank problems for $(d, 2, r)$ -webs is given. In particular, an introduction to general web theory is provided and the following theorems are proved: webs $W(d, 2, r)$ of maximum r -rank are almost Grassmannizable; an almost Grassmannizable web $AGW(d, 2, 2)$, where $d > 4$, is of maximum 2-rank if and only if it is algebraizable.

For the entire collection see [\[Zbl 0764.00002\]](#).

Reviewer: [A.M.Shelekhov \(Tver'\)](#)

MSC:

[53A60](#) Differential geometry of webs

Cited in 1 Review Cited in 1 Document
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Keywords:

[webs](#); [rank problems](#); [Grassmannizable web](#)