

1096-05-1901 **yasuyuki tsukamoto*** (tsukamoto@i.h.kyoto-u.ac.jp), Yoshida-nihonmatsu-cho Sakyo-ku,
Kyoto, 606-8501, Japan. *an oriented matroid with a disconnected realization space.*

an oriented matroid is a combinatorial type of a (pseudo)hyperplane arrangement, and the hyperplane arrangement is called a realization of the oriented matroid. it is known that an oriented matroid can have a disconnected realization space, i.e. it can have two realizations which cannot be deformed continuously to each other without changing their oriented matroid. previously, i constructed an arrangement of 13 lines whose oriented matroid have a disconnected realization space, and the number of lines is less than the known examples with this property. i will explain how i found this example. (Received September 16, 2013)