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Takuro Abe* (abe.takuro.4c@kyoto-u.ac.jp), Yoshida Hon-Machi, Kyoto, Kyoto 6068501, Japan. *Flags and freeness of hyperplane arrangements.*

Flags of arrangements are the flags consisting of flats in their intersection lattice. We discuss the relation between freeness and flags of arrangements including supersolvable and divisionally free arrangements. Further applications and problems related to topology and combinatorics will be also given. (Received January 25, 2016)