
In this paper, a method is given to calculate the Jones polynomial of the 6-plat presentations of knots by using a representation of the braid group $B_6$ into a group of $5 \times 5$ matrices. We also can calculate the Jones polynomial of the $2n$-plat presentations of knots by generalizing the method for the 6-plat presentations of knots. Also, it helps us detect 3-bridge knots in 3-plat presentations. (Received August 28, 2014)