GRÖBNER-SHIRSHOV BASES FOR THE WEYL GROUPS OF TYPES $A_2^{(1,1)}$ AND $A_2^{(1,1,1)}$

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Abstract

We give Gröbner-Shirshov bases for the elliptic Weyl groups of type $A_2^{(1,1)}$ and the 3-extended affine Weyl group of type $A_2^{(1,1,1)}$.