



**GRÖBNER-SHIRSHOV BASES FOR THE 3-EXTENDED
AFFINE WEYL GROUPS OF TYPE BC_1**

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Abstract

We give the Gröbner-Shirshov bases for the 3-extended affine Weyl groups of types $BC_1^{(2,4,4)}$, $BC_1^{(2,2,1)}(2)$, $BC_1^{(2,1,1)}$, $BC_1^{(2,4,2)}(2)$ and $BC_1^{(2,4,1)}$.

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