



**GRÖBNER-SHIRSHOV BASES FOR THE WEYL
GROUPS OF THE 4-EXTENDED AFFINE
ROOT SYSTEMS OF TYPE A_1**

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Received September 9, 2013

Abstract

We give Gröbner-Shirshov bases for the Weyl groups of the 4-extended affine root systems of types $A_1^{(1,1,1,1)*}(1)$ and $A_1^{(1,1,1,1)*}(2)$.

Keywords and phrases: Gröbner-Shirshov basis, Weyl group.

Pioneer Journal
of Mathematics
and Mathematical
Sciences



Pioneer Scientific
Publisher