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# Birational automorphism groups and the movable cone theorem for Calabi-Yau manifolds of Wehler type via universal Coxeter groups

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(Submitted on 29 Jul 2011 (v1), last revised 1 Aug 2011 (this version, v2))

We prove that the birational automorphism group of any Calabi-Yau manifold given by a generic hypersurface of multi-degree two in \$({\mathbf P^1})^{n+1} \$ is isomorphic to the universal Coxeter group of rank \$n+1\$ and satisfies the Morrison-Kawamata movable cone conjecture. Schr\"oer and I found a new series of Calabi-Yau manifolds of even dimension, namely, the universal covers of punctual Hilbert schemes of Enriques surfaces. We also prove that they admit a biregular action of the universal Coxeter group of rank 3 with positive entropy for generic Enriques surfaces.

Comments:	18pgaes, a few minor changes, including wrong signs in the formula in pages 3, 4 are corrected and argument in page 7 lines 4-5 are slightly modified
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