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Martin Pinsonnault* (mpinson@uwo.ca), Department of Mathematics, Middlesex College, The University of Western Ontario, London, Ontario N6A 5B7, Canada. *Connexity of some symplectomorphism groups.*

We will show that the group of all symplectomorphisms of the k -fold blow-up of $\mathbb{C}P^2$ that act as the identity on homology is connected when $k \in \{3, 4\}$. If time permits, some applications will be discussed. (Received February 19, 2009)