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**Tian-Jun Li** (lix248@umn.edu), 206 church street S.E., Room 127, Minneapolis, MN 55455,  
and **Weiwei Wu**. *A generalized Alexander duality, -2 spheres and symplectomorphism groups of rational 4-manifolds.*

We study the space of tamed almost complex structure for symplectic 4 manifold using a generalized Alexander duality for  $\infty$ -dimensional stratification. Consequently, we relate the number of generators of the fundamental group of symplectomorphism group for  $S^2 \times S^2$  or  $S^2 \times S^2 \# n \overline{\mathbb{C}P^2}$  when  $n = 0, 1, 2, 3$  with the number of -2 symplectic spheres. Further, we find a new family of symplectic form on  $\mathbb{C}P^2 \# 5 \overline{\mathbb{C}P^2}$  such that the symplectomorphism group has disconnected Torelli part. (Received February 22, 2016)