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Yoshiro Yaguchi* (yaguchi-y@nat.gunma-ct.ac.jp), Gunma National College of Technology,
580 Toriba-cho, Maebashi-shi, Gunma 371-8530, Japan. *Hurwitz action on tuples of permutations.*

Hurwitz equivalence is an equivalent relationship in a direct product of a group (or a quandle), which is defined by using an natural action by a braid group on the direct product. In 1891, Hurwitz gave a system of representatives of Hurwitz equivalence on tuples of transpositions of a symmetric group. In this talk we will give a system of representatives of Hurwitz equivalence on tuples of permutations of the symmetric group of degree 3. (Received February 20, 2015)