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If a  $Z$  action  $T$  is whirly (in the sense of Glasner, Tsirelson, Weiss), we call it a whirly transformation. A new criteria for a transformation to be whirly is given. It would be shown that the del Junco-Rudolph's map is whirly. For the symmetric 3-permutation  $(3\ 2\ 1)$ , and almost all the vectors in the 3-dimensional positive cone, the corresponding interval exchange transformations are whirly. (Received September 26, 2005)