1125-57-1862   **Thomas W. Tucker*** (`ttucker@colgate.edu`), 406 Williston Rd, Po Box 163, Sagamore Beach, MA 02562, and **Undine Leopold**. *Orientation-Reversing Euclidean Symmetry of Closed Surfaces Immersed in 3-Space.* Preliminary report.

Given a finite group G of isometries of euclidean 3-space E^3 and a closed surface S, an immersion $f : S \to E^3$ is in G-general position if $f(S)$ is invariant under G, points of S have disk neighborhoods whose images are in general position, and no singular points of $f(S)$ lie on an axis of rotation of G. For such an immersion, there is an induced action by G on S whose generalized Riemann-Hurwitz equation (GRH), that is, orbifold S/G with branching information, satisfies certain natural restrictions. We classify which restricted GRH are realized by a G-general position immersion of S. The authors had previously done this when G is orientation-preserving.. Nearly always, if the usual Riemann-Hurwitz equation for the orientation-preserving subgroup G^o can be realized, so can the GRH for G. (Received September 19, 2016)