Some remarks about structures of bulk links which appear after "cutting" of the Generalized Möbius-Listing's bodies

Ilia Tavkhelidze

E-mail: <u>ilia.tavkhelidze@rsu.ge</u>

Department of Mathematics, Iv.Javakhishvili State University, University str # 2, Tbilisi 0186 Georgia

In the present paper we consider the "bulky knots" and "bulky links", which appear after cutting of a Generalized Möbius-Listing's GML⁴ⁿ body with radial cross section a convex plane 4-symmetric figure with 4 vertices along a different Generalized Möbius Listing's surfaces GML⁴ⁿ situated in it. Aim of this article is to investigate the number and geometric structure of the independent objects which appear after such a cutting process of GML⁴ⁿ bodies. In most cases we are able to count the indices of the resulting mathematical objects according to the known classification for the standard Knots and Links.