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Grid generation is a critical component in the process of finding a numerical solution to partial differential equations. Many methods have been created for this purpose. In this work an attempt is made to create an accurate surface mesh. This algorithm will be created in R and will be submitted to be included as a package in R. Although there are some packages in the literature that create meshes, not many of them have turned into a user-friendly software. Therefore, there is a need to add new methods to the literature in a user-friendly software, R. (Received September 06, 2019)