

The present bachelor thesis proposes several captivating planar objects and their utilization in high school mathematics education. The introductory part of the text is foremostly dedicated to the origin of the term Arbelos, its definition and general characteristics. Subsequently, the terms Archimedean twins and Archimedean circles are presented, as they are closely connected to the Arbelos. In the following part, the reader is introduced to various constructions of Archimedean circles ordered from oldest to youngest. The thesis acquaints the readers with the construction of the Pappus chain and its construction using circle inversion. The conclusion constitutes of specific problems that arise from the problematics that was dealt with in the text.