

This text has been written especially as an educational material for secondary school teachers of mathematics and descriptive geometry, however it can be interesting also for students of secondary schools and universities and for another persons interested in problems of the golden section. The thesis includes a calculation and properties of the golden number, several construction methods of the golden section, its occurrence and use in plane and solid geometry, history of the golden section and its connections with art, architecture, nature, psychology, etc. In addition, there are added examples from older textbooks and proposals of the jobsheets for improvement of the mathematics lessons.