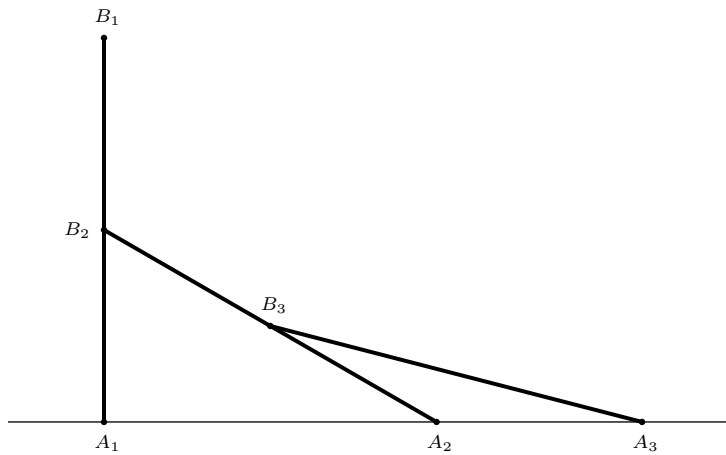


A Simple Construction of the Golden Section

Jo Niemeyer

Three equal segments A_1B_1 , A_2B_2 , A_3B_3 are positioned in such a way that the endpoints B_2 , B_3 are the midpoints of A_1B_1 , A_2B_2 respectively, while the endpoints A_1 , A_2 , A_3 are on a line perpendicular to A_1B_1 .



In this arrangement, A_2 divides A_1A_3 in the golden ratio, namely,

$$\frac{A_1A_3}{A_1A_2} = \frac{\sqrt{5} + 1}{2}.$$

Jo Niemeyer: Birkenweg 6, 79859 Schluchsee, Germany
E-mail address: jo@niemeyer.info