User Manual for the Interactive Geometry Software Cinderella

By Richter-Gebert, Jürgen / Kortenkamp, Ulrich H.

Book Condition: New. Publisher/Verlag: Springer, Berlin | Cinderella is a unique, technically very sophisticated teachware for geometry. It will be used as a tool by students learning Euclidean, projective, spherical and hyperbolic geometry, as well as in geometric research by scientists. Moreover, it can also serve as an authors' tool to design web pages with interactive constructions or even complete geometry exercises. | '2 Introduction.- 2.1 Sample Applications.- 2.1.1 Exact Drawings.- 2.1.2 Geometric Calculator.- 2.1.3 Student Exercises.- 2.2 Design and Features.- 2.3 Technical Background.- 3 A Quick Start.- 3.1 Pappos' Theorem.- 3.1.1 Drawing Your First Point.- 3.1.2 Undoing an Operation.- 3.1.3 Moving a Point.- 3.1.4 Adding a Line.- 3.1.5 Adding More Lines.- 3.1.6 Creating Points of Intersection.- 3.1.7 Finishing the Drawing.- 3.1.8 Selecting and Changing the Appearance.- 3.1.9 Adding a Final Point and Proving a Theorem.- 3.1.10 Moving Points to Infinity.- 3.2 A Three Bar Linkage.- 3.2.1 Making a Bar.- 3.2.2 Adding Two More Bars.- 3.2.3 Moving the Construction.- 3.2.4 Starting an Animation.- 3.2.5 Drawing a Locus.- 4 Behind the Scenes.- 4.1 Problems in Interactive Geometry.- 4.1.1 Static Problems.- 4.1.2 Dynamic Problems.- 4.2 Projective Geometry.- 4.3 Homogeneous Coordinates.- 4.4 Complex Numbers.- 4.5 Measurements and Complex Numbers.- 4.5.1 Euclidean and Non-euclidean...

READ ONLINE
[5.12 MB]

Reviews

I actually began looking at this pdf. It is actually rally interesting throgh reading time period. You will not really feel monotony at at any time of your respective time (that's what catalogues are for concerning if you ask me).
-- Brayan Mohr Sr.

A superior quality publication along with the font used was fascinating to learn. I have read through and i also am certain that i am going to going to go through yet again again in the future. Your life period will likely be enhance the instant you total reading this publication.
-- Donnie Rice