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geometry emerged  
from the field of  
algorithms design and

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analysis in the late 1970s. It has grown into a recognized discipline with its own journals, conferences, and a large community of active researchers. The success of the field as a research discipline can on the one hand be

### **Computational Geometry - Algorithms and Applications ...**

Chapter 2 introduces  
plane sweep



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algorithms, and it is best to read this chapter before any of the other chapters that use this technique.

Similarly, Chapter 4 should be read before any other chapter that uses randomized algorithms. For a first course on computational geometry, we advise treating Chapters 1- 10 in the given order.

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in areas such as  
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are elegant and clever,

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and have esthetical value on their own.

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Computational geometry is really a neat subject; the problems and the algorithms on how to solve them can almost without exceptions be presented with some figure or drawing. This should definitely not be underestimated and

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Geometry (from the Ancient Greek: γεωμετρία; geo-"earth", -metron "measurement") is a branch of mathematics concerned with questions of shape, size, relative position of figures, and the properties of space. A mathematician who works in the field of geometry is called a geometer. Geometry



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arose independently in a number of early cultures as a practical way for dealing with lengths ...

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