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web the ?eld of computational geometry developed rapidly in the late 70 s and through the 80 s and 90 s and it still continues to develop historically computational geometry developed as a generalization of the study of algorithms for sorting and searching in 1 dimensional space to problems involving multi dimensional inputs it web the interaction between computer graphics and computational geometry is explored through two scenarios spatial subdivisions studied from the viewpoint of computational geometry are shown to have found application in computer graphics hidden surface removal problems of computer graphics have led to sweep line and area subdivision web computational geometry is a branch of computer science devoted to the study of algorithms which can be stated in terms of geometry some purely geometrical problems arise out of the study of computational geometric algorithms and such problems are also considered to be part of computational geometry while modern computational web 15 jun 2020 computational geometry emerged from the eld of algorithms design and 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 eld as a research discipline can on the one hand be explained from the beauty of the problems web computational geometry is concerned with the design and analysis of algorithms for solving geometric problems applications can be found in such fields as vlsi design computer graphics robotics computer aided design pattern recognition and statistics the aim of the course will be to introduce some basic problems of computational geometry web the computational geometry course has an algorithmic and applied flavor its contents are oriented to dealing with massive geometric data and the lab exercises are intended to make students familiar with real problems coming from computer graphics geographic information systems robotics land planning etc web 18 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