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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.

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solutions and techniques from computational geometry are related to particular applications in robotics, graphics, CAD/CAM, and geographic information For students this motivation will be especially welcome. insights in computational geometry are used to provide solutions that are both

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Computational Geometry - ELTE
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Other important applications of computational geometry include robotics (motion planning and visibility problems), geographic information systems (GIS) (geometrical location and search, route planning), integrated circuit design (IC geometry design and verification), computer-aided engineering (CAE) (mesh generation), computer vision (3D reconstruction).

Computational geometry - Wikipedia
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Computational Geometry: Algorithms and Applications - Mark ...
Motivation is provided from the application areas: all solutions and techniques of computational geometry are related to particular applications in robotics, graphics, CAD/CAM, and geographic information systems. For students this motivation will be especially welcome.

Computational Geometry : Algorithms and Applications by ...
Motivation is provided from the application areas: all solutions and techniques from computational geometry are related to particular applications in robotics, graphics, CAD/CAM, and geographic information systems. For students this motivation will be especially welcome.

Computational Geometry: Algorithms and Applications by ...
This all-new introduction to computational geometry is a textbook for high-level undergraduate and low-level graduate courses. The focus is on algorithms and hence the book is well suited for students in computer science and engineering. Motivation is provided from the application areas -- all solutions and techniques from computational geometry are related to particular applications in robotics, graphics, CAD/CAM, and geographic information systems.

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Special Issue on 2019 Algorithms and Data Structures Symposium - WADS 2019. Edited by Joerg Sack, Mohammad R. Salavatipour, Zachary Friggstad. 2 June 2020. Special Issue on the 33rd European Workshop on Computational Geometry. Edited by Christiane Schmidt, Valentin Polishchuk. April 2020. Special Issue on the 34th European Workshop on ...