



Least Squares Orthogonal Distance Fitting Of Curves And Surfaces In Space

Author : Sung Joon Ahn / **Category :** Computers / **Total Pages :** 127 pages

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Summary : Free least squares orthogonal distance fitting of curves and surfaces in space pdf download - due to the continuing progress of sensor technology the availability of 3-d cameras is already foreseeable these cameras are capable of generating a large set of measurement points within a very short time there are a variety of 3-d camera applications in the fields of robotics rapid product development and digital factories in order to not only visualize the point cloud but also to recognize 3-d object models from the point cloud and then further process them in cad systems efficient and stable algorithms for 3-d information processing are required for the automatic segmentation and recognition of such geometric primitives as plane sphere cylinder cone and torus in a 3-d point cloud efficient software has recently been developed at the fraunhofer ipa by sung joon ahn this book describes in detail the complete set of best-fit algorithms for general curves and surfaces in space which are employed in the fraunhofer software

Pusblisher : Springer on 2004-10-29 / **ISBN :** 9783540286271

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