

Measurement of Three Dimensional Objects contained in Two Dimensional images

Disclosure Number

200501588

Technology Summary

The invention provides for the measurement of three dimensional objects contained in two dimensional digital images that are automatically analyzed to determine boundaries, shapes and volumes of said objects, comprising of the steps of: analyzing a two dimensional digital image to identify edges; analyzing to identify geometric patterns that represent the objects in the image; analyze to determine and translate real-world distances between points in the image.; analyzing a two dimensional image for shape and measurements of interest. This information can then displayed on a computer screen for a user: to view; making interactive on the screen for a user to select reference points directly on an image, as needed; leaving meaningful symbols/marks on the image; selecting a reference measurement of known measure, provide a reference value, save the values and symbol/marks, and retrieve the saved image for viewing, data processing, storage, transmission, translation, and further editing.

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