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3-D segmentation of lung nodules using hybrid level sets

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**Highlight for review**

- A semi-automatic algorithm is proposed for 3-D lung nodule segmentation using hybrid level sets along with volume estimations.
- A threshold based on nodule's mean intensity is introduced in the Geodesic Active Contour (GAC) model for robust and accurate nodule segmentation.
- An adaptive technique is devised based on image intensity histograms to calculate the desired mean gray-value of target lung nodule.

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