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Title: 3D Reconstruction and Visualization of Solid Motor Based on VTK

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摘要: 运用VTK（visualization toolkit）中封装的移动立方体面绘制方法和光线投射体绘制方法，实现了固体 发动机ICT序列断层图像的三维重建与可视化。由重建结果得出，体绘制方法更适用于固体发动机内部缺 陷三维可视化故障诊断。

Abstract: In the paper, the marching cube surface rendering method a nd ray casting volume rendering method encapsula ‐ ted in VTK were used to realize solid motor 3D reconstruction and v isualization. According to the 3D reconstruction re ‐ sults, volume rendering method is fit for interior defect 3D visual failure diagnosis of solid motor.

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