

عنوان مقاله:

Strain and Sensitivity Analysis of Proximal Femur With Finite Element Method

محل انتشار:

شانزدهمین کنفرانس سالانه بین المللی مهندسی مکانیک (سال: 1387)

تعداد صفحات اصل مقاله: 6

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خلاصه مقاله:

The overall purpose of this paper is to use human femur model constructed with CT-scan data and to analyze the strain and its sensitivity with respect to material properties and model length of the proximal part of the bone during standing, using 3-D finite element analysis. The finite element analyses are performed using ANSYS software. Validation is done with the results from the previous published experimental data to confirm the accuracy of the work.

کلمات کلیدی:

human proximal femur model, FEA, strain, sensitivity analysis, material properties

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