

عنوان مقاله:

Observer design for the human chest

محل انتشار:

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خلاصه مقاله:

In this paper has been applied a scheme for realization of active control strategy with numerically estimated linear optimal quadratic index of performance in reduction of impact-induced deformation of human chest loaded by a point mass at the central point of upper-torso body. We focused on application of one active element attached between torsos upper back (looking from posterior direction) and a fixed support. In this paper designed an observer for the human chest. The resulting shape of control force time-characteristics that would be the demanding one for a hypothetical real implementation.

کلمات کلیدی:

Observer design, Human chest

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