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Application of fem method for modeling and strength analysis of feed elements of vibroscreen(Book Chapter)

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The article presents a three-dimensional solid-state computational model of vibroscreen feed elements, as well as the analysis results of the stress-strain rods state. An algorithm for solving the problem numerically using the finite element method is proposed. The obtained results were used at the stage of feed elements designing for an industrial vibroscreen. © Springer Nature Switzerland AG 2019.