عنوان مقاله:

A novel practical approach for the form finding of the prism tensegrity

محل انتشار:

سومین کنفرانس سراسری نوآوری های اخیر در مهندسی عمران، معماری و شهرسازی (سال: 1395)

تعداد صفحات اصل مقاله: 10

نویسندگان:

Mohammad Moghaddas - *School of Civil Engineering, University of Science Malaysia, Penang, Malaysia*

Kok Keong Choong - *School of Civil Engineering, University of Science Malaysia, Penang, Malaysia*

خلاصه مقاله:

The prism tensegrity is one of the types of the tensegrity system which due to its special characteristics, can cover all possible application of tensegrity in the field of civil and the structure engineering. According to the other researches and based on the process of the available form finding approaches, it is concuded that there is no practical approach for the form finding of the irregular prism tensegrity with a large number of members. In this paper a novel linear approach is introduced which can be used as a practical approach for the form finding of irregular prism tensegrity

کلمات کلیدی:

Prism tensegrity, Form finding, Irregular shape, linear approach

لینک ثابت مقاله در پایگاه سیویلیکا:

https://civilica.com/doc/569137