

Accepted Manuscript

Shear and bending performance of new type enhanced lattice truss structures

Li-Jia Feng , Jian Xiong , Li-Hong Yang , Guo-Cai Yu ,
Wen Yang , Lin-Zhi Wu

PII: S0020-7403(17)32238-5
DOI: [10.1016/j.ijmecsci.2017.10.045](https://doi.org/10.1016/j.ijmecsci.2017.10.045)
Reference: MS 4012



To appear in: *International Journal of Mechanical Sciences*

Received date: 12 August 2017
Revised date: 17 October 2017
Accepted date: 30 October 2017

Please cite this article as: Li-Jia Feng , Jian Xiong , Li-Hong Yang , Guo-Cai Yu , Wen Yang , Lin-Zhi Wu , Shear and bending performance of new type enhanced lattice truss structures, *International Journal of Mechanical Sciences* (2017), doi: [10.1016/j.ijmecsci.2017.10.045](https://doi.org/10.1016/j.ijmecsci.2017.10.045)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- Shear and bending response of a new type hourglass truss structures were investigated
- Shear strength of the hourglass truss were 40%~60% higher than the pyramidal truss
- Bending strength of the hourglass beam was superior to that of the pyramidal beam

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/7174027>

Download Persian Version:

<https://daneshyari.com/article/7174027>

[Daneshyari.com](https://daneshyari.com)