

## Accepted Manuscript

Non-linear Buckling Analysis of Imperfect Thin Spherical Pressure hull for Manned Submersible

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PII: S2468-0133(17)30081-5  
DOI: [10.1016/j.joes.2017.11.001](https://doi.org/10.1016/j.joes.2017.11.001)  
Reference: JOES 62



To appear in: *Journal of Ocean Engineering and Science*

Received date: 18 August 2017  
Revised date: 6 October 2017  
Accepted date: 5 November 2017

Please cite this article as: SB. Pranesh , Deepak Kumar , V. Anantha Subramanian , D. Sathianarayanan , GA. Ramadass , Non-linear Buckling Analysis of Imperfect Thin Spherical Pressure hull for Manned Submersible, *Journal of Ocean Engineering and Science* (2017), doi: [10.1016/j.joes.2017.11.001](https://doi.org/10.1016/j.joes.2017.11.001)

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**Highlights**

- Non-linear buckling analysis and compare the available experimental results of a conical shell to validate the analysis procedure.
- Linear and non-linear buckling analysis of perfect spherical pressure hull.
- Linear and non-linear buckling analysis of imperfect spherical pressure hull considering manufacturing defect.
- Non-linear buckling analysis results are compared with model test results.

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