Report

1 Problem Description

2 Framework of STAPpp

2.1 Preprocessing

2.2 Formation and assembly

2.3 Solver

2.4 Postprocessing

3 Basic elements

Note. In this section, the elements used in the bridge test are introduced.

3.1 Bar

...

3.2 8H

3.3 Beam

3.4 Shell

4 Other elements

4.1 3T

...

4.2 4Q

...

4.3 Timoshenko Beam

4.4 Plate

5 Advanced features

5.1 Sparse solver

5.2 Post buckling

...[1]

5.3 Other strategies for optimization

6 Acknowledgement

Thank the other teams for their enhancing our confidence. (￣┬￣*)

A Input format

References

[1] 张雄等. 计算动力学（第二版）. 北京：清华大学出版社，XXXX.