

# ANSYS 12 - Beam - Step 7

Author: Rajesh Bhaskaran & Yong Sheng Khoo, Cornell University

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[2. Geometry](#)

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## Step 7: Verification & Validation

It is **very important** that you take the time to check the validity of your solution. This section leads you through some of the steps you can take to validate your solution.

### Simple Checks

Does the maximum bending stress agree with the theoretical value? Does the reaction force at the support A and B are what we expected? Does the moment at support A and B is zero? We checked this in step 6. Indeed, our FEA solution match well with the theoretical solution.

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