

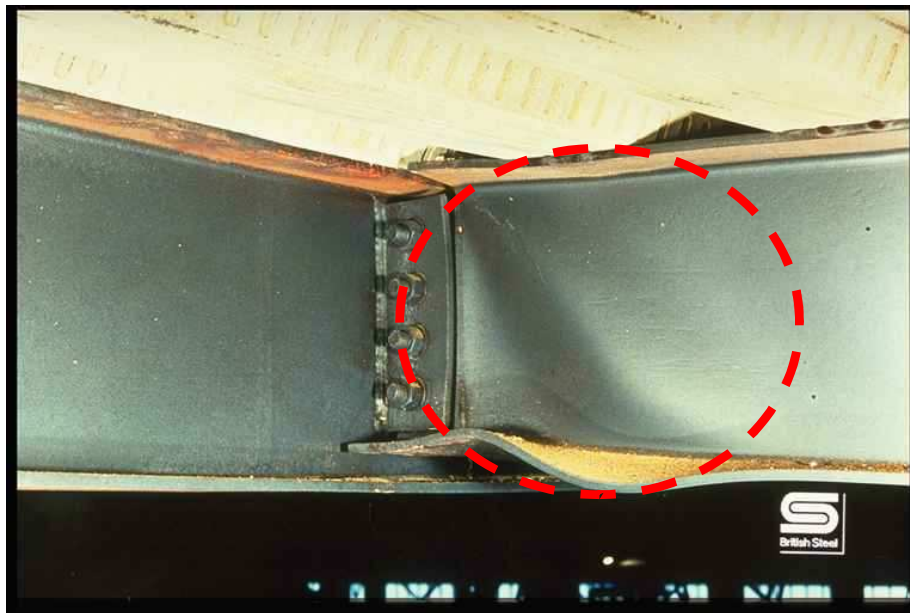
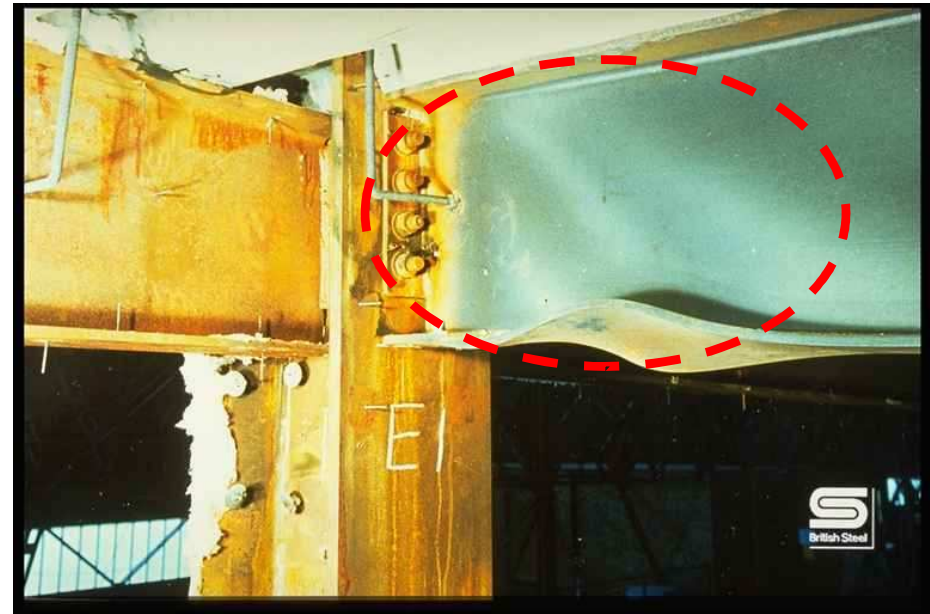
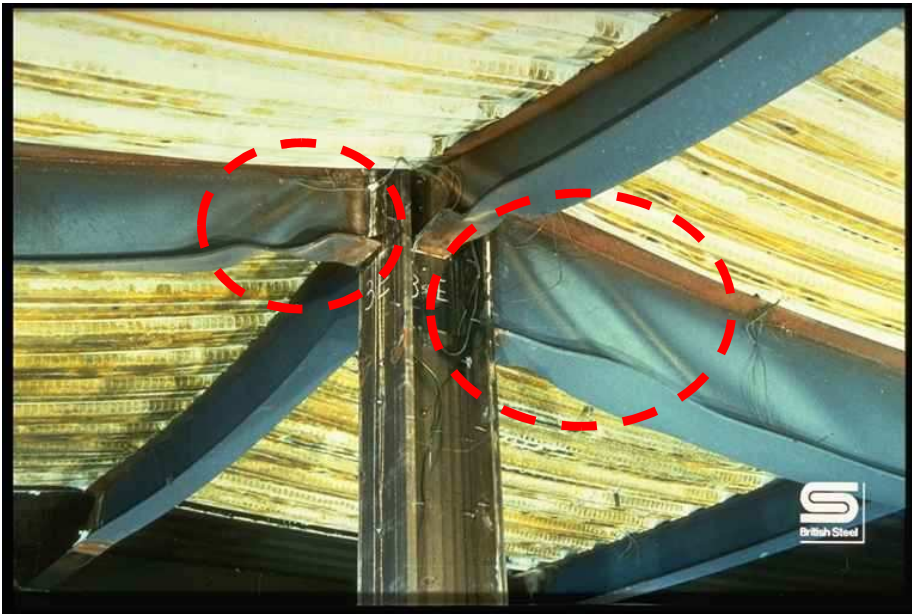


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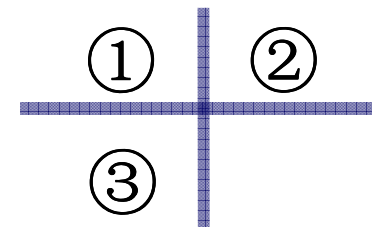
Shear Panel Component in the Vicinity of Beam-column Connections in Fire

Guan Quan
University of Sheffield

What is Shear Buckling?



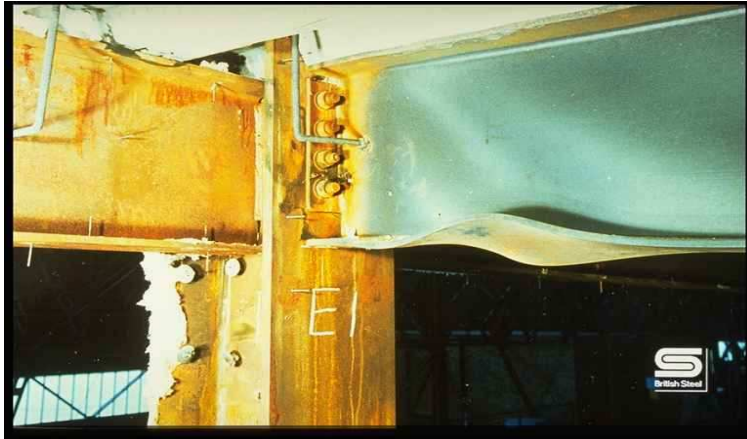
- ① Shear Buckling Near the Beam-Column Connection
- ② Primary Beam Shear Buckling
- ③ Secondary Beam Shear Buckling





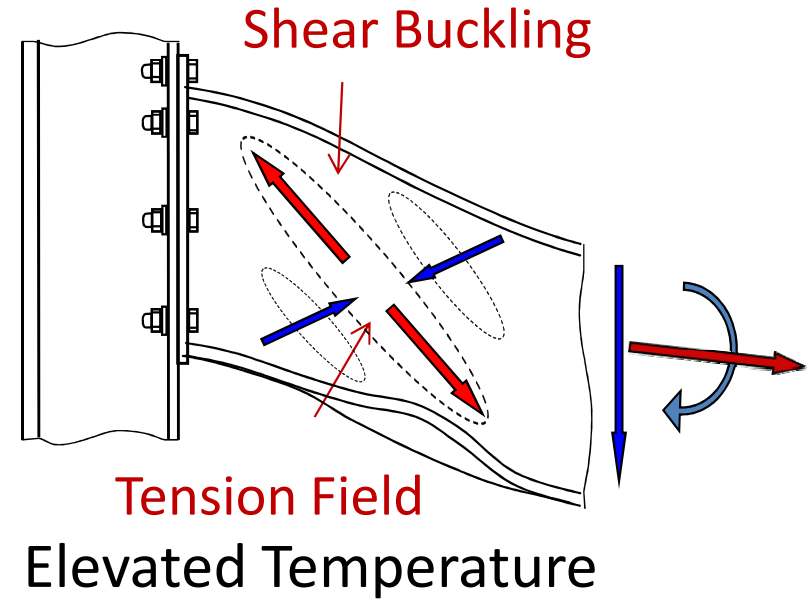
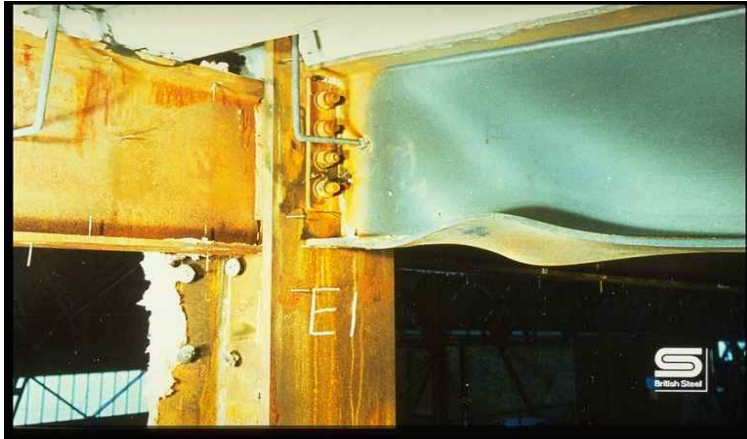
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How to Create Shear Panel Elements?



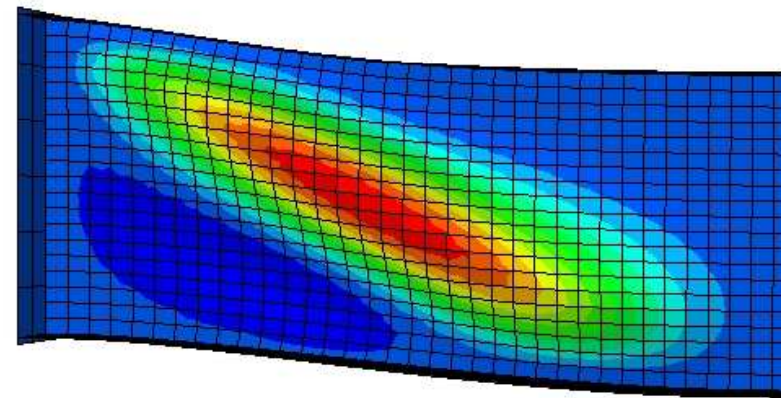
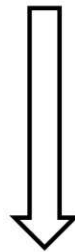
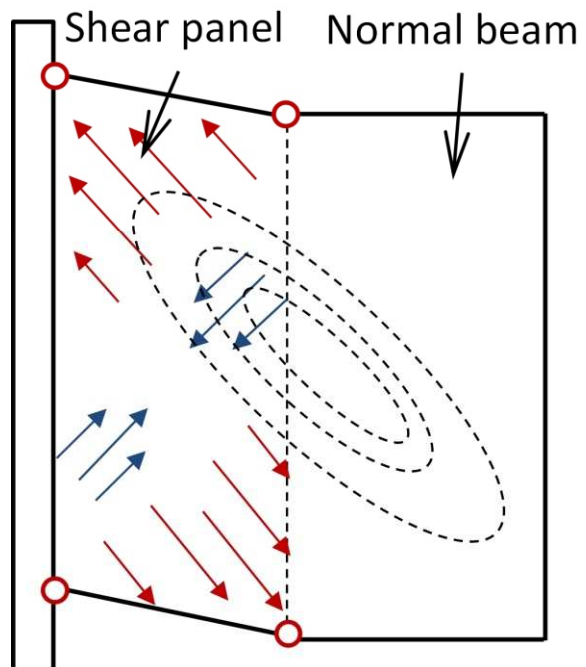
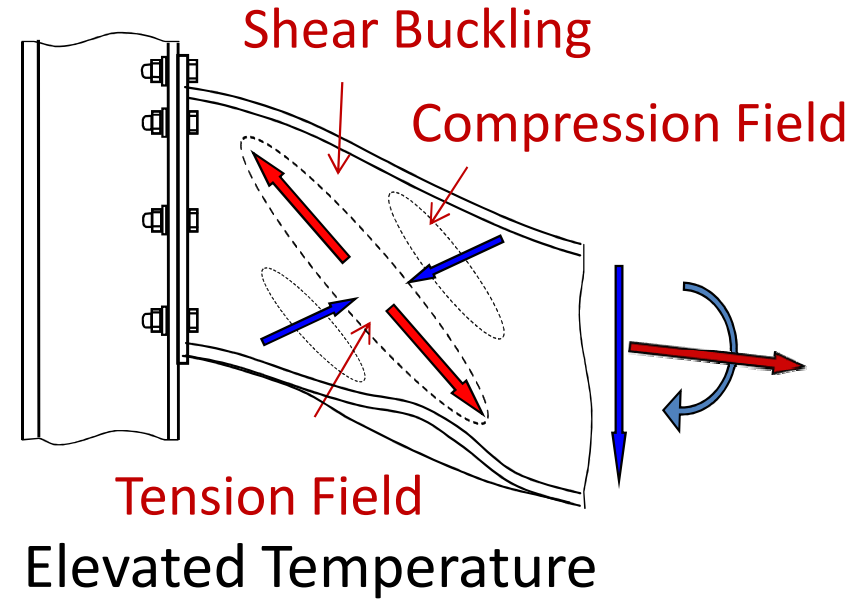
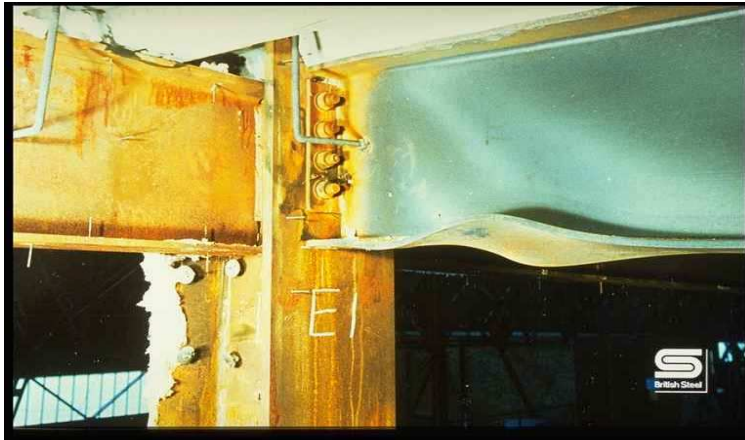


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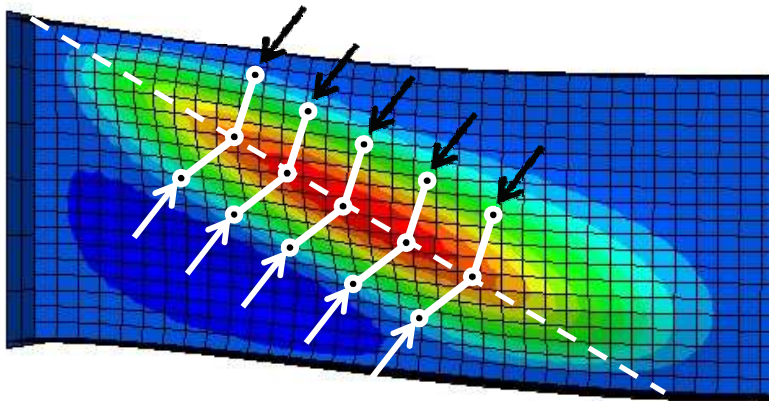
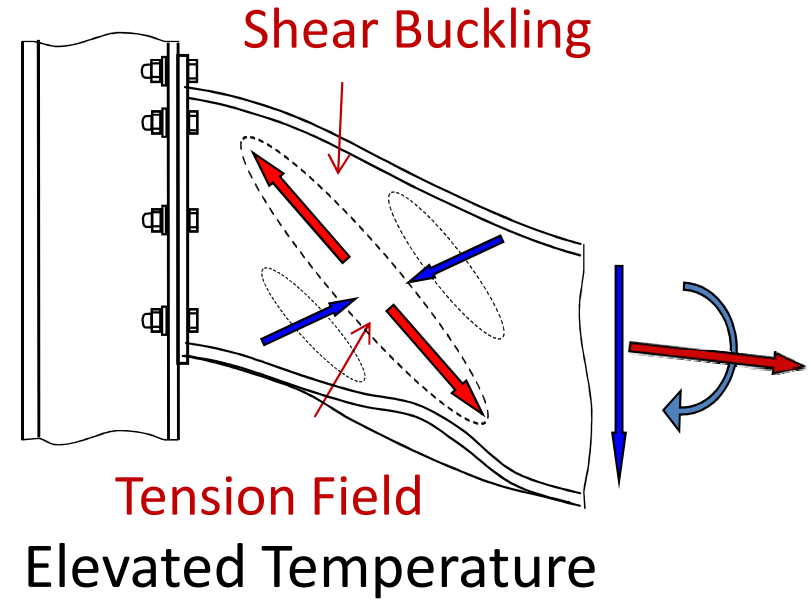
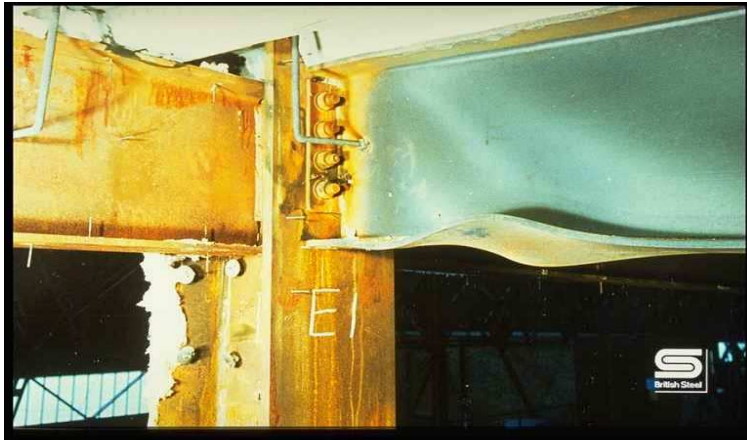


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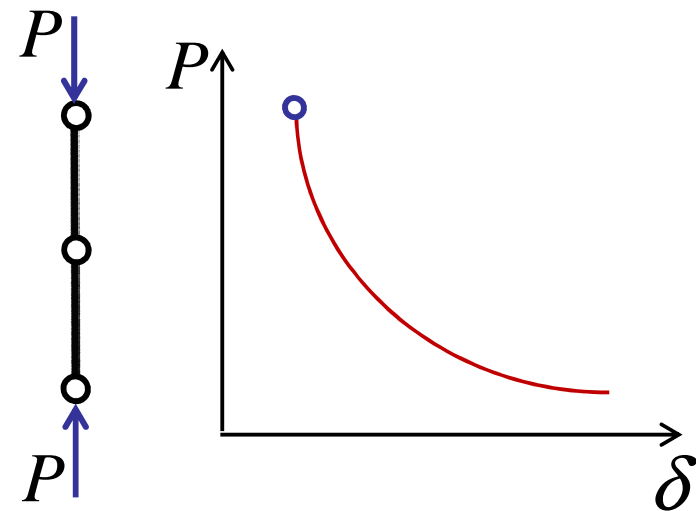
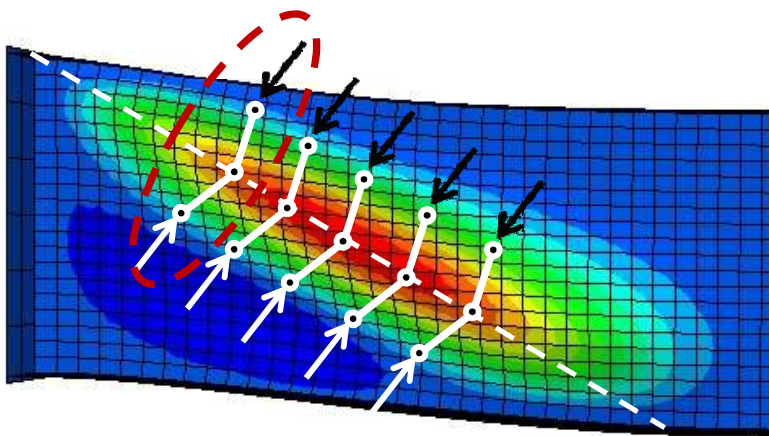
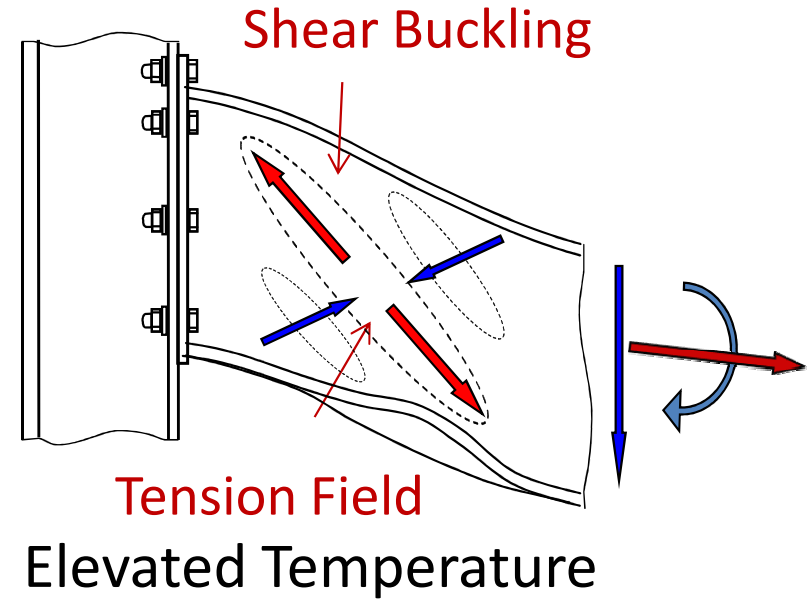
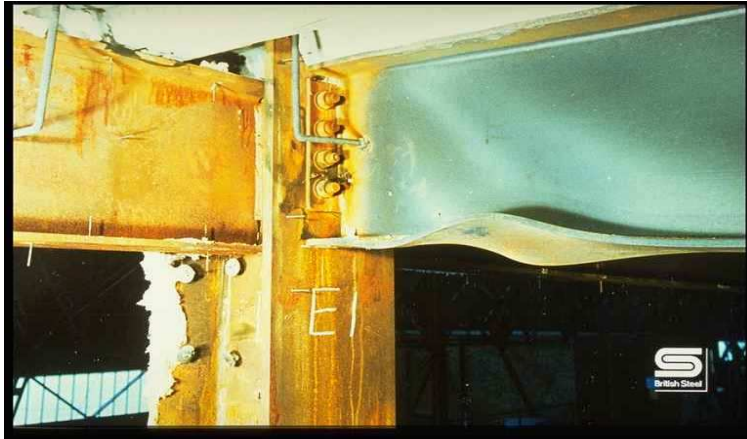


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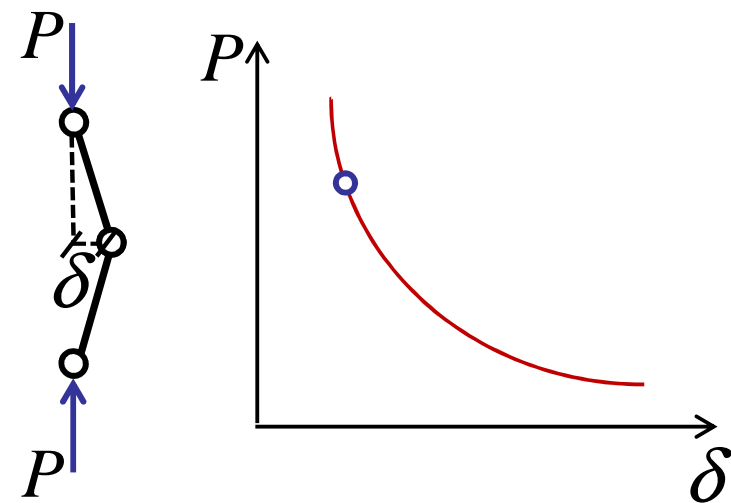
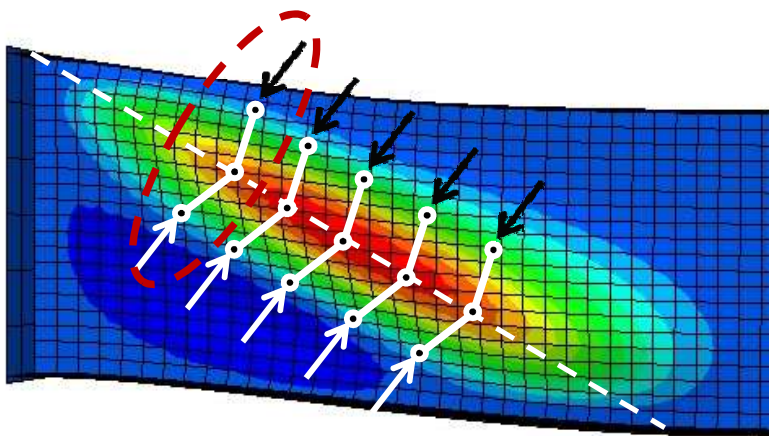
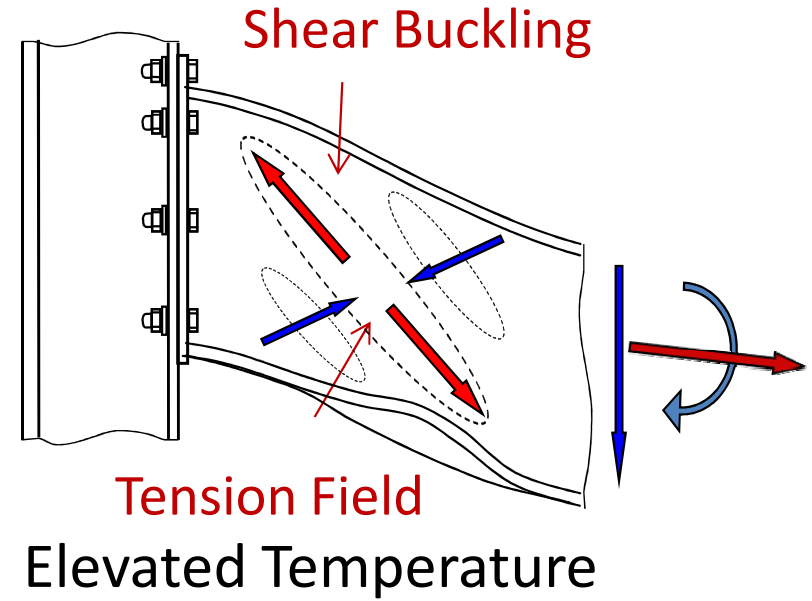
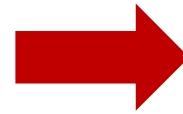
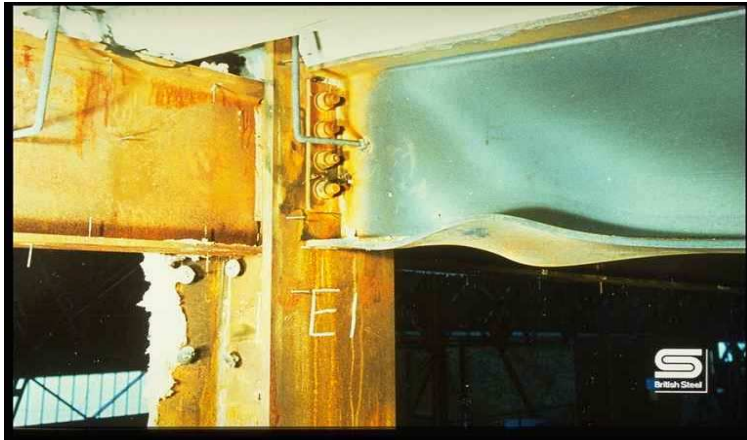


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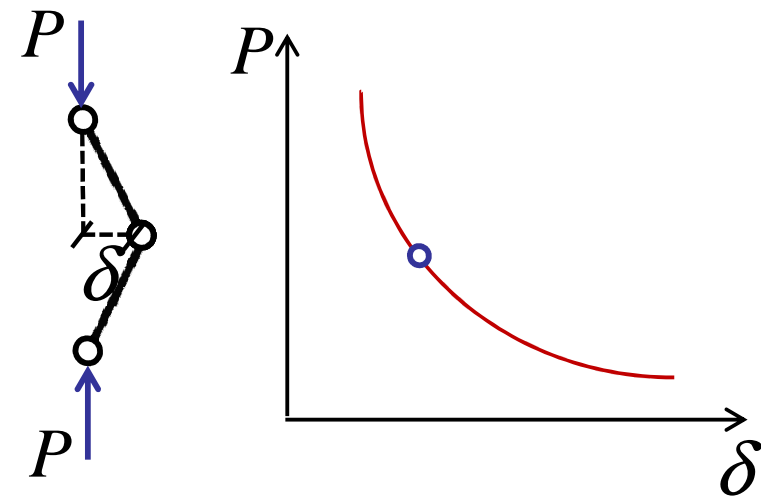
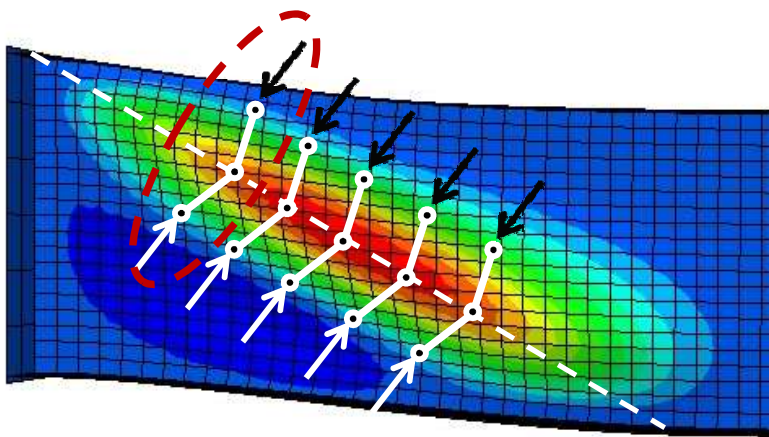
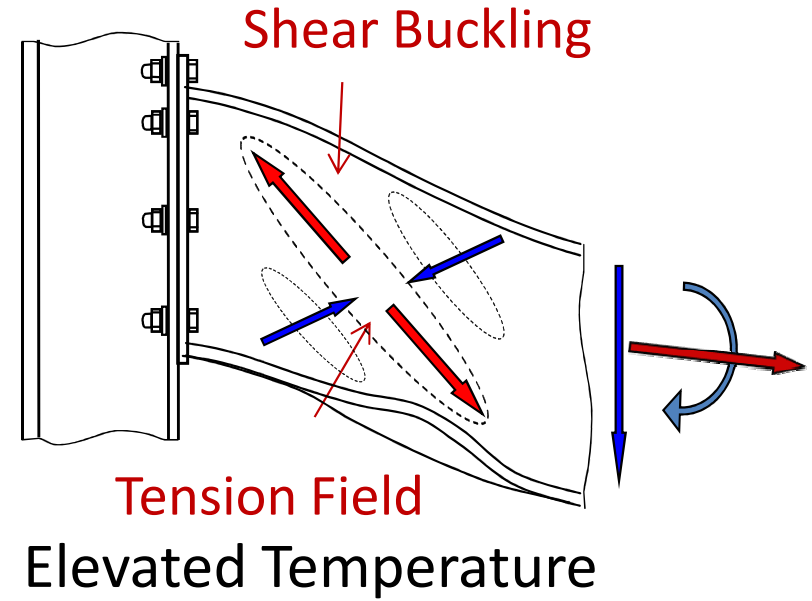
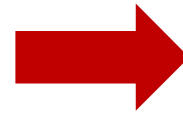
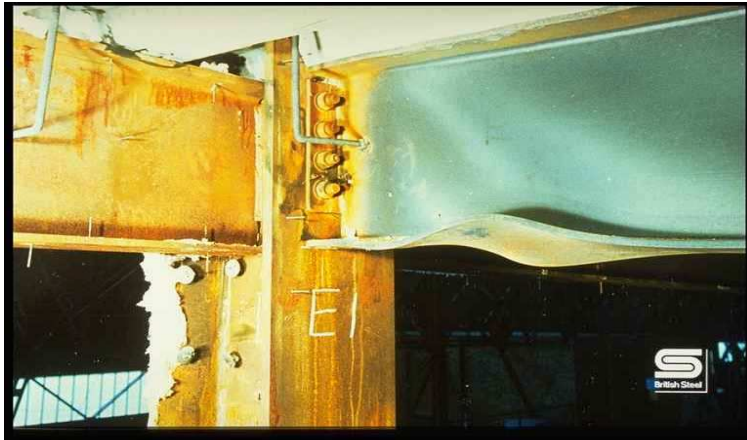


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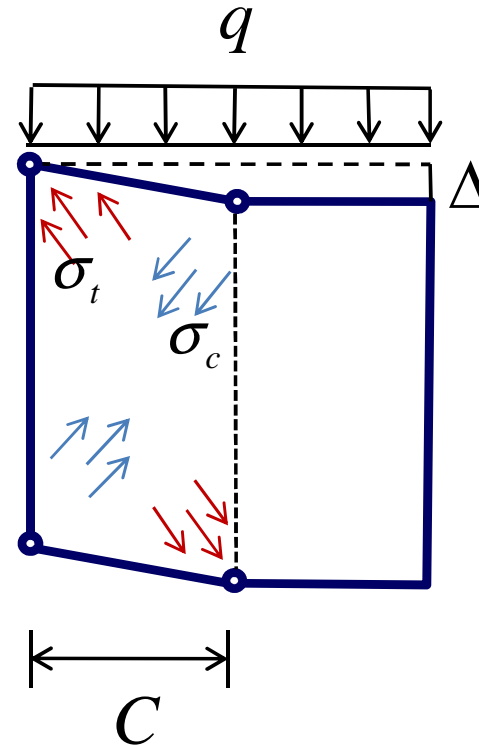
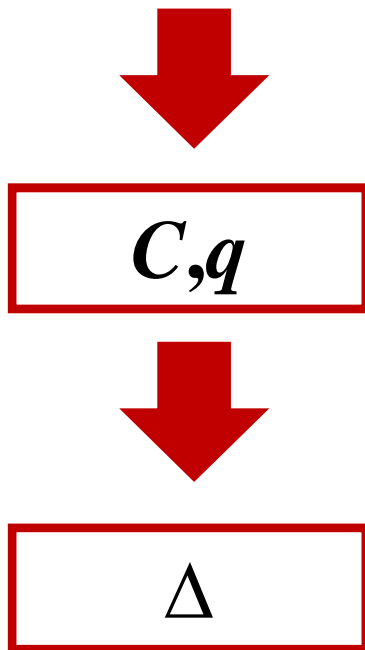


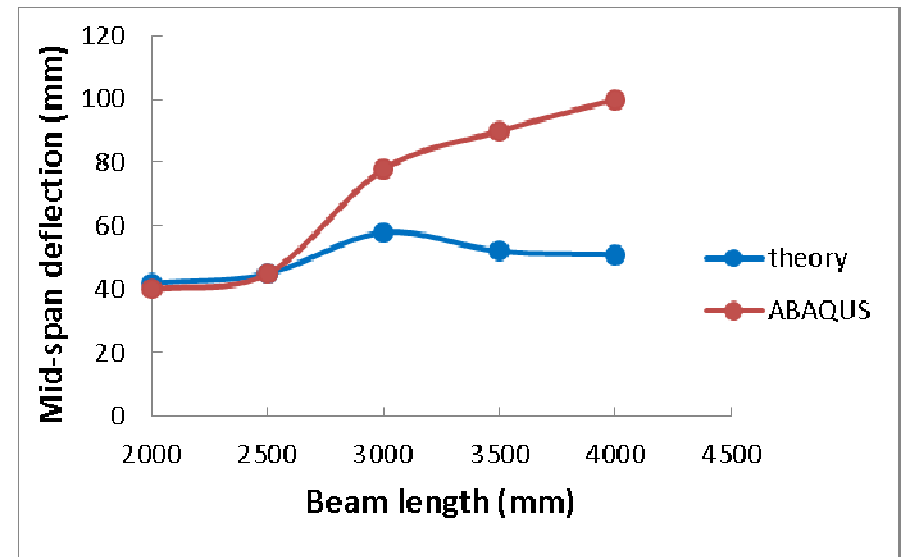
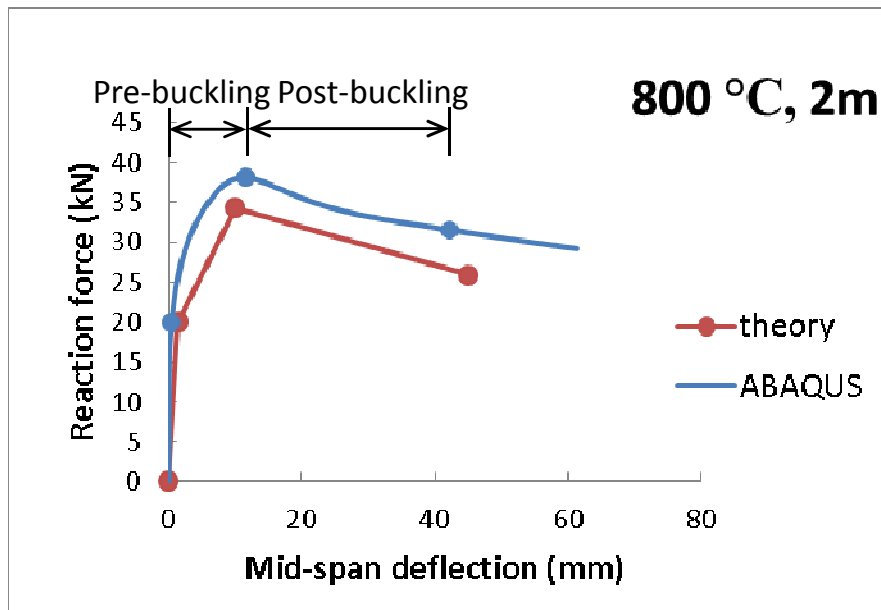
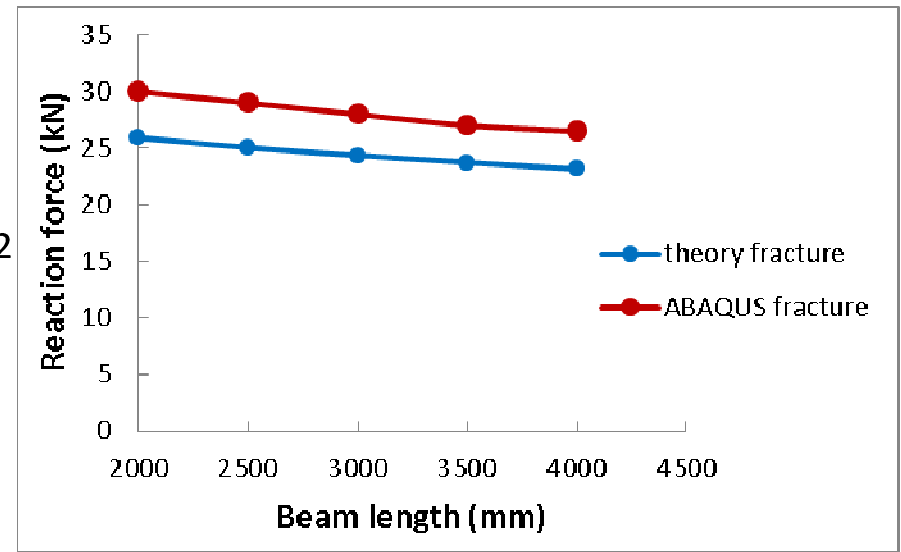
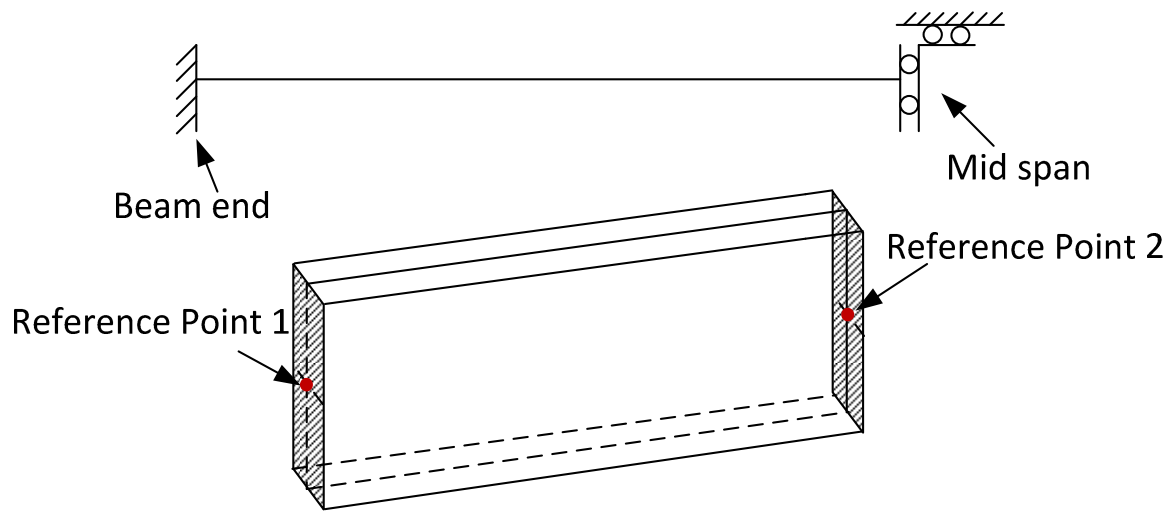
How to Create Shear Panel Elements?



How to Create Shear Panel Elements?

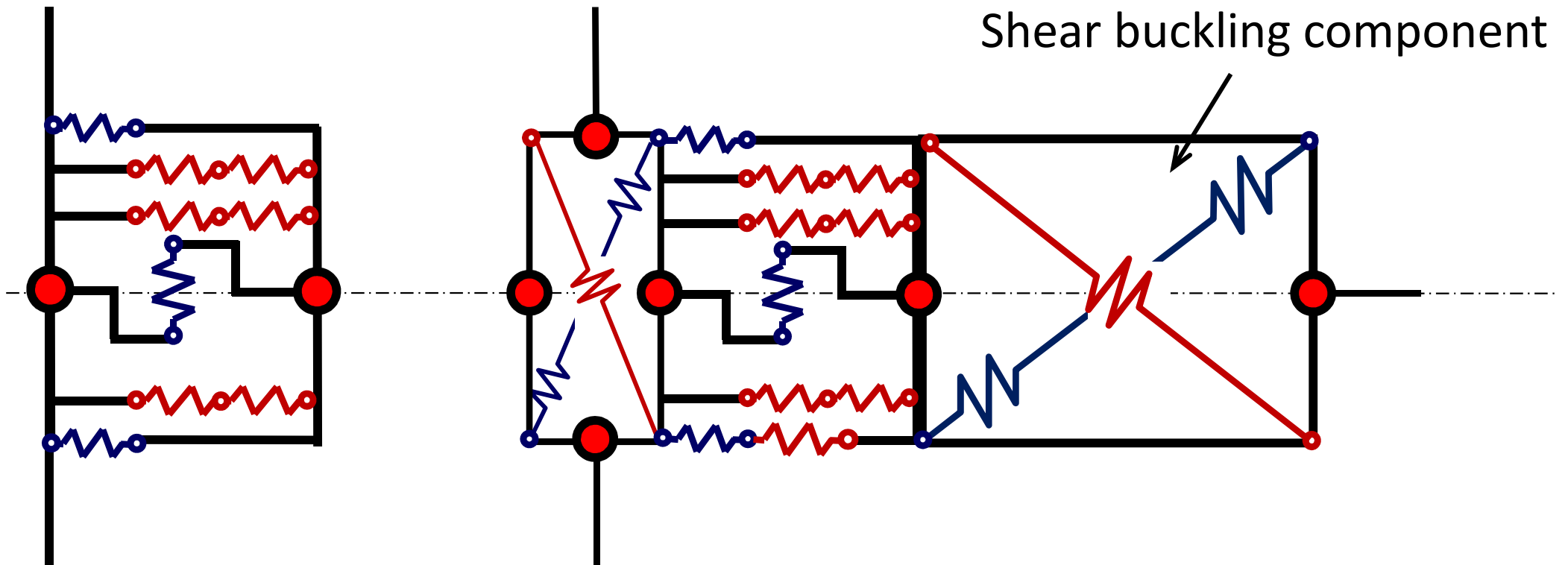
Internal work = External work





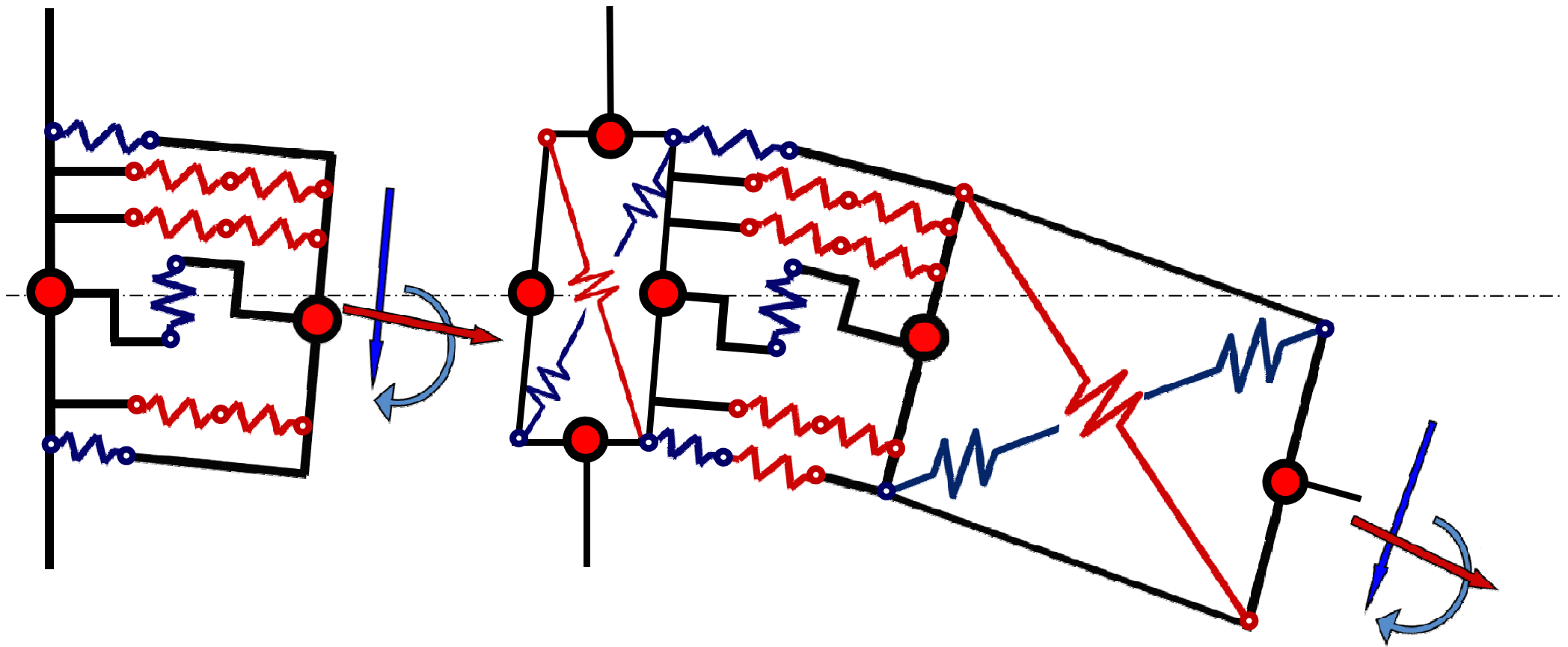


Component-based model





Component-based model





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Thanks for your attention!

Email: g.quan@sheffield.ac.uk