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are built, this tutorial takes the approach that FEA results should always be compared with other data results. In several chapters, the finite element tutorial problem is compared with manual

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Calculations so

that the reader
can compare and
contrast the
finite element
results with the
manual solution.

Most of the
examples and
some of the
exercises make
reference to
existing
analytical

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topics and examples presented are oriented to stress analysis, with the exception of natural frequency analysis in chapter 11, and heat transfer in chapter 12.

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