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include types of  
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of statically  
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trusses,  
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and arches,  
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analysis of  
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structures,**

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***deflections,  
analysis of  
statically  
indeterminate  
structures by  
the force  
method,  
displacement  
method of  
analysis: slope-  
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equations,  
displacement  
method of***

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consisting of  
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members, truss  
analysis using  
the stiffness  
method, beam  
analysis using  
the stiffness  
method, and  
plane frame**

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*particle kinematics  
to three-*

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*particles -- Kinetics*

*of particles:*

*Newton's second*

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*particles --*

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*rigid bodies:*

*energy and*

*momentum*

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