

Write the advantages and disadvantages of steel structures

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What is the volume of steel production in the Czech Republic and Europe?

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Write down ways to use steel structures in the construction industry

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Write and endeavor to test the hardness of the steel

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Provide an example of steel designation and describe the meaning of each symbol

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Describe the steel bending impact test

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Write down the types of steel and what they stand out for

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How does carbon affect steel properties?

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Write at least 3 values of the selected mechanical properties of the steel

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What does the ultimate limit state of the structure mean?

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What does the construction state limit state?

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Provide partial coefficients of cohesiveness and what they express.

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State the load classification

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Write the basic equivalence of reliability

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Describe the advantages and disadvantages of composite steel-concrete structures

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How do you know the coupling elements for steel-concrete structures?

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Describe the passage of a composite steel beam

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Describe the basic supporting elements of steel storey buildings

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What are the basic requirements for the ceiling construction of storey buildings

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What are the types of ceilings in storey buildings?

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What do you know about the types of steel ceiling beams?

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Write how space rigidity is ensured in the horizontal direction for steel storey buildings

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Write how space stiffness is ensured vertically for steel storey buildings

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What are the types of stiffeners you know?

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What should be the correct placement of the vertical stiffeners in storey buildings?

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Write down the kinds of loads we see at the halls

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What are the layout solutions available?

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What are the basic elements of steel halls?

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What do you know about the types of roof sheathing at the halls?

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What do you know the types of columns at the halls?

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Write the basic possible static effects at large span halls

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 What do you know the types of dome made of steel construction?

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What are the types of joints in steel structures?

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What are the possibilities of protecting steel structures from corrosion?

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What are the parts of the paint system?

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What do you know the tree species for wooden constructions?

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What do you know about species of conifers?

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What do you know the species of deciduous trees?

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Describe the wood structure of coniferous trees

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Describe the wood structure of deciduous trees

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Enter what you know materials for wooden constructions

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What are the basic cases of loading of wooden elements in the ultimate load bearing state

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What assessments are made for the assessment of the usability limit?

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What is the difference between instantaneous and final deflection of wooden structures?

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What do you know the roof and roof rack design systems?

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 How do you know how to connect wooden elements?

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Write the types of wooden building systems

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 Write 3 types of column construction systems of wooden constructions

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