

ENGLISH SUMMARY

ELEMENTS AND NODES IN PRODUCT MODEL OF STEEL SKELETON

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The paper deals with different partial product data models and corresponding product models appearing in the literature, and dealing with elements and nodes appearing in the finite element analysis of steel skeletons. The models are written following the standard ISO 10303 (STEP). The product models are needed when exchanging the data between different disciplines within the building project. The use and the applicability of the different models are studied theoretically in the paper. It is concluded, that some study of different possibilities to build the new models is needed when building new models in the future.