

CONCEPT MAPPING FOR PHYSICS ENGINEERING

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ABSTRACT

Concept maps are graphical tools for organizing and representing knowledge. They are used to identify the relationship of concepts and they can serve as a dynamic and engaging teaching tool. The maps are used to answer a focus question, by including key concepts, usually enclosed in boxes or circles, connected by lines that specify the nature of the association, referred to as linking words or phrases. This presentation will start by introducing the fundamentals of concept mapping and how this tool can be applied in the teaching/learning dynamics. A specific example will be discussed, with the use of this tool in a PhD thesis in Physics Engineering. Finally, some software tools for concept mapping will be presented.