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Development of a theoretical-practical guide to study the radial heat conduction in steady state condition

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Abstract:This article presents the development of a theoretical-practical guide with purpose of improve the process of learning radial heat conduction in steady-state condition for undergraduate engineering students. With the construction of the radial heat conduction module, the procedure described in the guide was performed in such way that it was possible to verify that the proposed objectives were feasible; a comparison of these results were made with SolidWorks software, which gave a positive feedback. For that reason, is possible to affirm that the experience is a great educational tool, due to it facilitates in the process of consolidation of the concepts in heat transfer, self-learning and improvement in critical thinking.

Key words:Heat conduction, engineering education, learning guide.

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