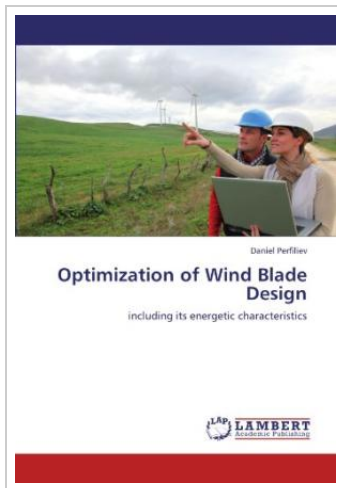




Optimization of Wind Blade Design

By Perfiliev, Daniel

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | including its energetic characteristics | This work develops and analyzes optimization technique for obtaining a geometry shape of classical HAWT blades based on set of criteria. It allows designer to determine the weight of such factors as power coefficient, sound pressure level and cost function in the overall process of blade shape optimization. Optimization method applies Desirability function. It was never used before in that kind of technical problems, and in this sense it can claim to originality of research. To do analysis and optimization processes more convenient the software application was developed. | Format: Paperback | Language/Sprache: english | 104 pp.



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