

AN EFFICIENT METHOD FOR THE OPTIMIZATION OF PLY STACKING SEQUENCE FOR CONSTANT THICKNESS COMPOSITE LAMINATE PLATE

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ABSTRACT

COMPOSITE MATERIALS IN MECHANICAL, AEROSPACE AND OTHER BRANCHES OF ENGINEERING ARE INCREASINGLY USED DUE TO THEIR EXCELLENT WEIGHT SAVING AND THE EASE OF FAILING. BUT IN DESIGN, THE PLY STACKING SEQUENCE DESIGN IS A TIME CONSUMING JOB BECAUSE IT CAN ONLY BE DONE MANUALLY AND THE RESULT CAN BARELY SATISFIED.

Keywords : COMPOSITE MATERIAL、 SHEAR STRESS、 STACKING SEQUENCE、 ANALYTICAL SOLUTION、 BRANCH AND BOUND

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