ABSTRACT

SOFTWARE DEVELOPMENT FOR DESIGNING LINES PLAN USING THE METHOD OF FORM DATA I AND APPROACH TO B-SPLINE

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Lines plan is something that is very important in the design of a ship, where the lines plan will greatly affect for other the ship design drawings such as general arrangement, construction profiles, midship section, etc. And from the lines plan can be seen ship’s stability and ship’s resistance. Cause they are depends on the shape of the ship’s hull. In the process of designing this lines plan requires a fairly complicated mathematical calculations. So as to obtain an lines plan in accordance with desired will require a long time. this time, quite a lot of computer software which is intended to designing the lines plan. However, most of this software has a price that is relatively expensive and requires a computer with a high specification. Then it is not an easy solution to the design lines plan. Considering those problem, this final project intended to create a computer prototype which can help design the lines plan so will be a cheap and efficient of time solution. Of course, without ignoring the accuracy of lines plan result of this computer prototype.

Keywords: B-spline, Form Data I, lines plan, software