

From:-
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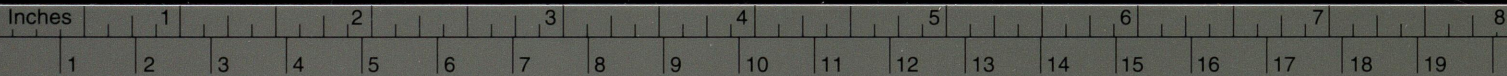
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To
Dr. B.S. Madhav Rao,
Professor of Mathematics,
Poona University,
Poona.

Dear Prof. Rao,

You may not perhaps remember me, although we have met before; so I take this opportunity to introduce myself to you. It is not very long ago that you examined my thesis entitled "On Ship waves and wave Resistance" (submitted for the D. Phil degree of the Calcutta University). I met you also in a viva-voce test in connection with the same thesis. And on the strength your recommendation on the written thesis as well as the viva test, I have since been admitted to my doctorate degree.

I have also had an opportunity to go through your report on my thesis. I have found your report highly interesting ~~for~~ for it not only praises me where praise is due but also criticises my work constructively when such criticism is called for. Such criticism was made of my work in Chapter V - where I had investigated the wave resistance of a ship in circular motion in water with a bed at a finite depth. I had stopped short at obtaining the general wave resistance formula in the form of a repeated integral. You criticised this work as incomplete and suggested that the integral should have been evaluated to see whether something in the nature Havelock's critical velocity formula given by $c^2/gh = 1$ could be obtained. In the light of your suggestion I have integrated the said formula with reference to my particular ship model with a rectangular central longitudinal section and obtained a critical angular velocity given by $\frac{\sqrt{2}\Omega^2 d}{g} = 1$



Centimetres

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