

Bulian, G., "Development of analytical nonlinear models for parametric roll and hydrostatic restoring variations in regular and irregular waves", Ph.D. Thesis, DINMA – University of Trieste, March 2006 (Academic Year 2005/2006)

Errata Corrige – Last Update: 8 December 2007

08 September 2006

Formula (6.35) is to be substituted by the following one:

$$E\{\eta_{eff}^k\} = \begin{cases} 0 & \text{if } k \text{ is odd} \\ \sigma_\eta^k \cdot \frac{2^{\frac{k}{2}}}{\sqrt{\pi}} \cdot \Gamma\left(\frac{k+1}{2}\right) & \text{if } k \text{ is even} \end{cases}$$

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Figure 3.20 is to be substituted by the following one:

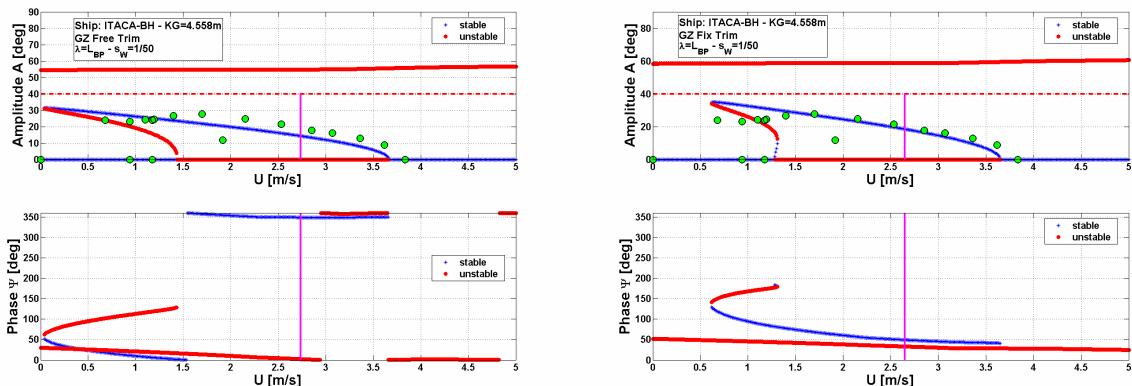


Figure 3.20 Experimental results and prediction for ITACA-BH - $\frac{\lambda_w}{L_{BP}} = 1.000$ and $s_w = \frac{1}{50}$. Calculation of \overline{GZ} surface according to Free Trim method on the left, and Fix Trim method on the right.

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Figure 3.22 is to be substituted by the following one:

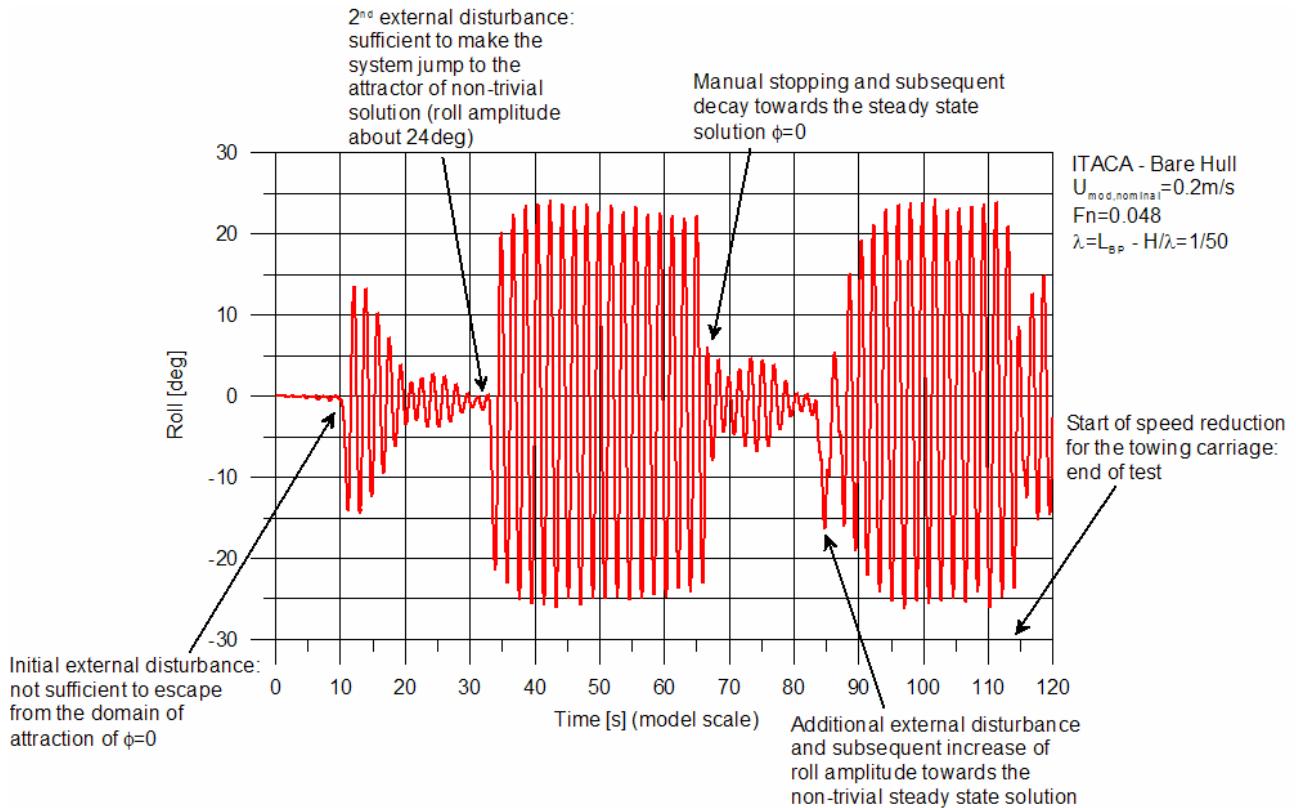


Figure 3.22: Experimental time series showing the presence of a stable upright position together with a stable large amplitude sub-harmonically resonant roll motion for ITACA in bare hull condition. The reported speed is the nominal speed of the carriage.