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A Systematik Ferry Model Serie

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A number of seventeen models of Ferry in scale 1: 28.750 of 10250 ton displacement have been built at the Italian Model Basin, to be tested in the Emilio Castagneto towing tank N.2 at INM in Rome. The results of the tests have been collected in this report, delivered and presented in easy and useful form. The hull C.2054 has been used to build the whole Serie, the variations in the forms have been obtained maintaining the same displacement, operating the deformation of the hull in the x, y, z directions using the following parameters:
 $p = L \text{ derived hull} / L \text{ generating hull}$
 $q = B \text{ derived hull} / B \text{ generating hull}$
 $r = T \text{ derived hull} / T \text{ generating hull}$

The derived hulls have all constant volume, while the product $p \cdot q \cdot r = 1$, and constant will be also $CB = 0.515$, $CM = 0.943$, $CP = 0.546$, $CW = 0.715$, $CVP = 0.720$, $LCB = -1.71\%$, $XCF = -5.33\%$. The displacement $\nabla = 10\,250.0$ ton is corresponding to $10\,000 \text{ m}^3$.

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