

DRAWINGS

Fig.1 Relationship between
frictional resistance increase rate FIR (%) and Rz^2/RSm

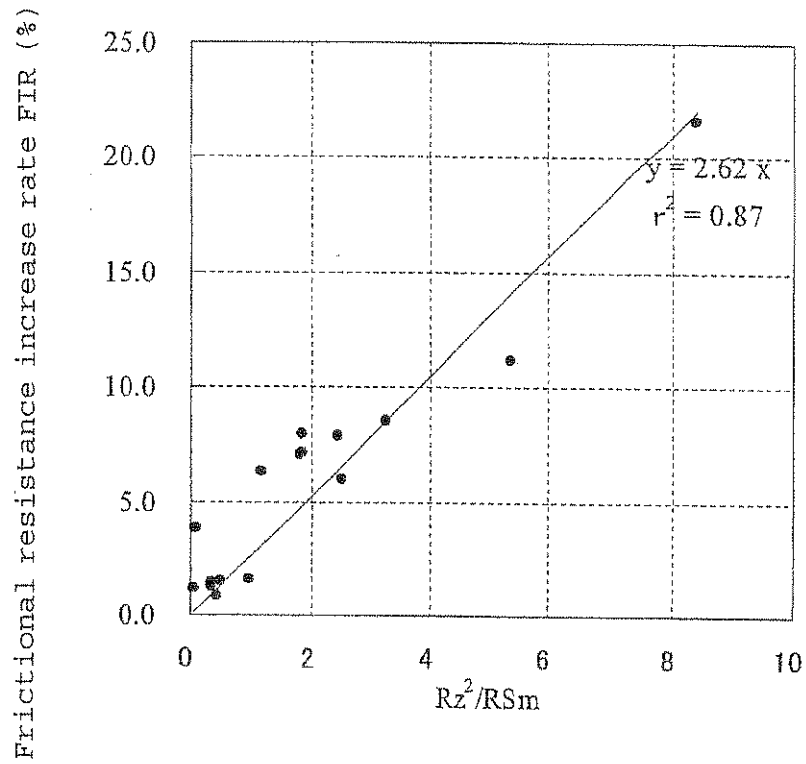


Fig.2 Relationship between FIR (%) and Rz

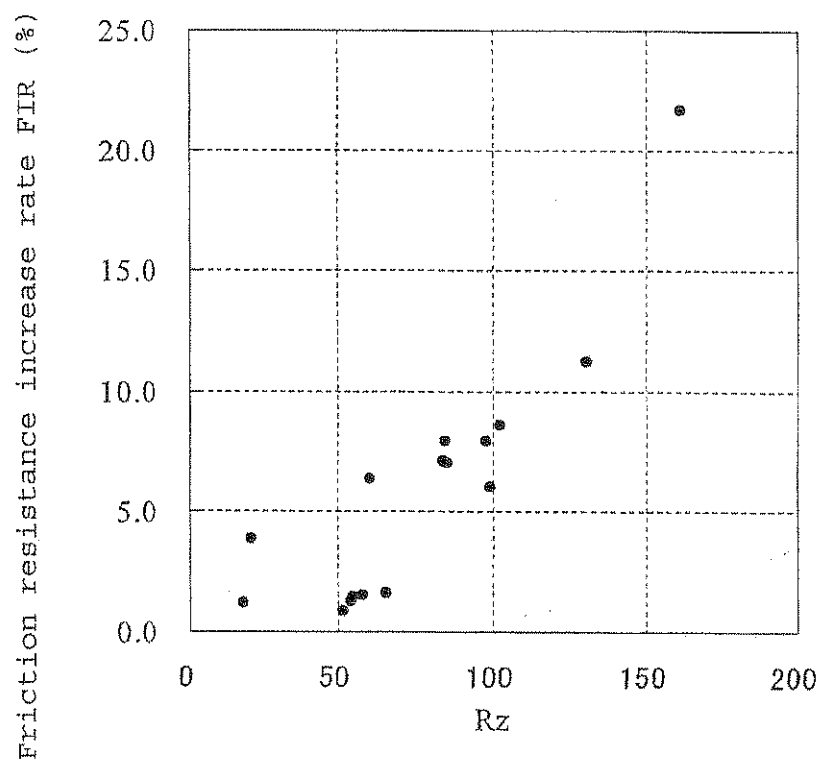


Fig.3

Relationship between
frictional resistance increase rate FIR (%) and RSm

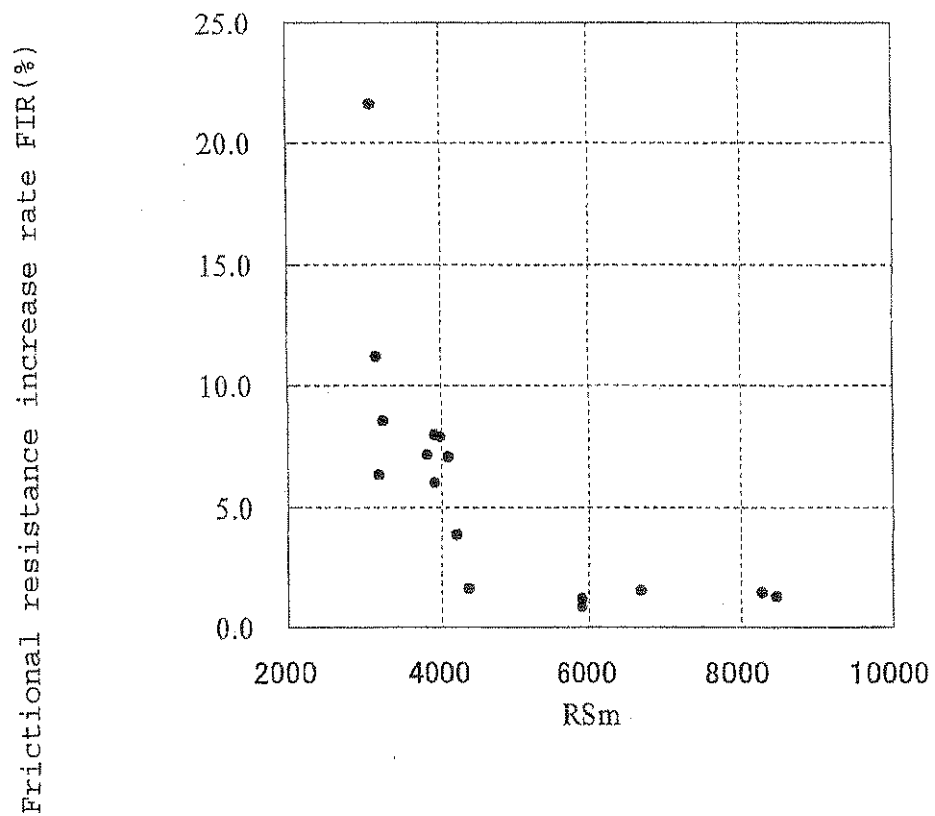
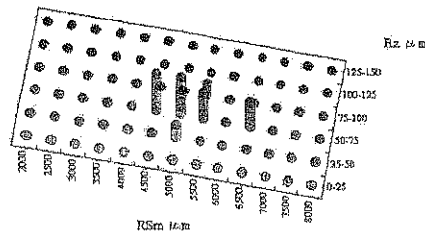
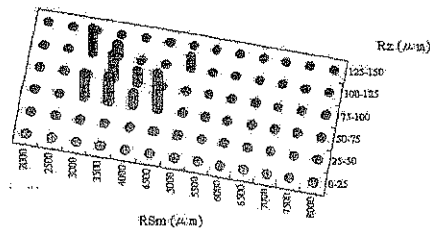


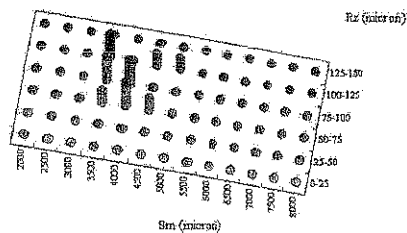
Fig. 4 Roughness distribution of a coating film of an actual ship bottom (Replica method/Evaluation length 30 mm)



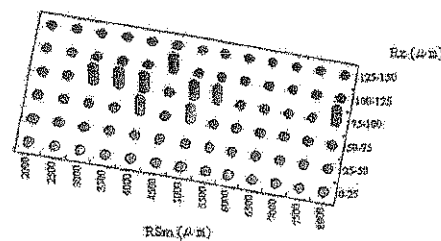
- (1) Sample number 15
 Mean Rz = 60.7 μm
 Mean RSm = 4909 μm
 Estimation FIR = 2.0 (%)



- (2) Sample number 15
 Mean Rz = 80.1 μm
 Mean RSm = 3481 μm
 Estimation FIR = 4.8 (%)



- (3) Sample number 12
 Mean Rz = 87.3 μm
 Mean RSm = 3711 μm
 Estimation FIR = 5.4 (%)



- (4) Sample number 9
 Mean Rz = 79.7 μm
 Mean RSm = 4417 μm
 Estimation FIR = 3.8 (%)

Fig. 5

Example of roughness acquisition of a coating film of an actual ship bottom

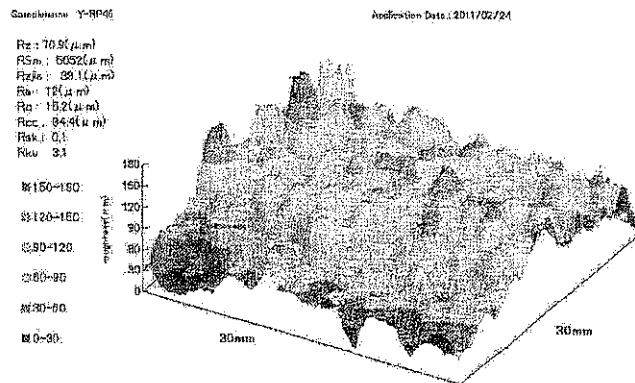


Fig.6

Estimation example of frictional resistance increase rate FIR (%)

