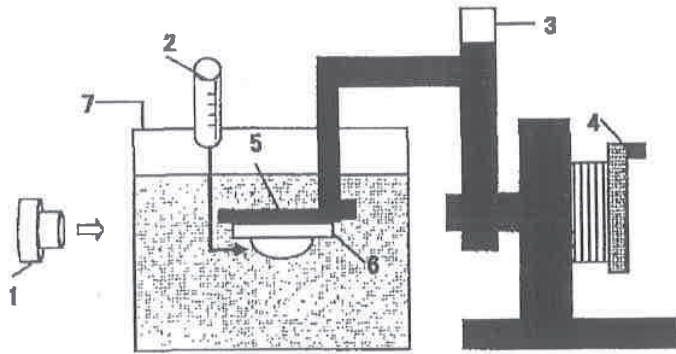
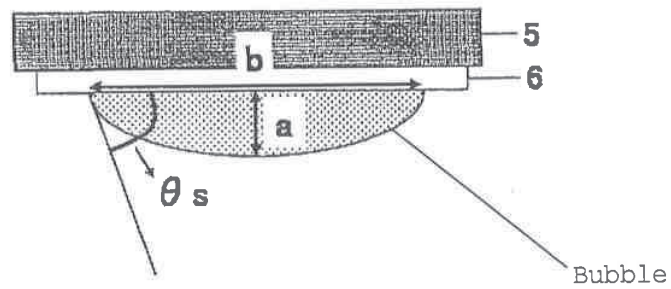


[Fig. 1]



[Fig. 2]

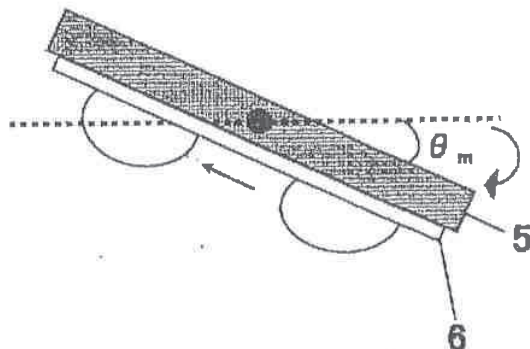
Determination of static in-water bubble contact angle



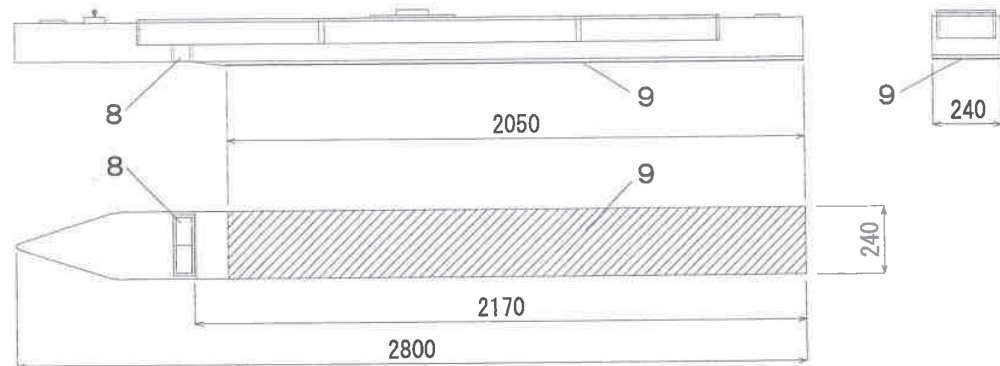
$$\theta_s = 2 \times \frac{180}{\pi} \times \tan^{-1} \frac{2a}{b} \dots (1)$$

[Fig. 3]

Measurement of in-water bubble roll (slip) angle



[Fig. 4]



[Fig. 5]

