

3. CONCLUSIONS

By attaching slits to two kinds of fairing, the effect to reduce the tsunami force was verified experimentally. The following conclusions were obtained.

- (1) By attaching slits to fairings, reduction of vertical force in the L-shape can't be expected. For horizontal forces, slits in fairing lose the effect to reduce the horizontal force.
- (2) In box-shape, the slits of about 40% is necessary in order to keep the lift to the level which the model without fairings should be acted, at that time the effect of horizontal force should be lost.

It can be considered that the fairing having a slit is effective in dispersing the tsunami and facilitating the tsunami entering into the fairing. It is necessary to study continuously on the shape of slits and the ratio of slits.

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