

Development of design technology of floating bridges considering economy

[Point]

Our country is surrounded by the ocean, and having many islands. There are a lot of areas isolated by the ocean. To promote cooperation and communication with these areas, we need to take measures to connect among the areas, such as bridges. In this research, we focus on floating bridges, which use water buoyancy, and don't have base structures. Our ultimate goal is to develop the design method as the new structures, which contribute construction cost reduction. As the research result, we proposed oscillation analysis method of floating bridges, organized as the programs, as well as proposed applicable condition of floating bridges.

Keyword : floating bridge, wave condition, wave response, oscillation