全非線性時間域數值模型中幅射波在計算區域邊界之傳遞

An "moving window" numerical technique is used to propagate radiation waves caused by floating bodies through their arbitrary motions out of computational domains while fully nonlinear time domain numerical models can be properly applied to simulate the motions of floating bodies and the water-body interactions under no wave reflection condition. An idea of "moving window" numerical technique is also presented in this work. A relatively small computational domain can then be used to simulate arbitrary direction of motions of floating bodies for any duration of simulation time.