ABSTRAK

Toys water is an interest tourism. In this final project use Artificial Neutral Network (ANN) Algorithm to control wave maker system by online learning.

System use visual basic as ANN application. ANN style is backpropagation. ANN would be learn and adaptation in water motion changes by control an wave maker actuator. So, will get the dream water wave.

The test use PC, minimum system with RC circuit I/O, the result is wave can follow the willing set point. For get that result JST use 5 neuron and 1 learning rate.

Keyword : Neural Network, Serial communication. Plant, lerning rate