# Experiment

We’ll try to analyze the Reactance and Resistance when the permittivity is 81conductivitty is 0, and the relaxation time is also 0 seg.

# Results

## Reactance Water (MATLAB)



## Resistance Water (MATLAB)



## Reactance Water (HFSS)



## Resistance Water (HFSS)



# Conclusions

It is observed that the results of the simulation do not match the analytical results.

