

### Femtosecond Pulse Propagation Through Dispersive Seawater

#### Abstract



Ultrashort pulses with time duration of the order of femtosecond, have broad spectral band. They enable many applications due to their short time duration. But on the other hand, it is not trivial to maintain the ultrashort time duration after propagating through dispersive materials. As an example, the propagation of a 5-fs pulse through seawater is studied in VirtualLab Fusion. The broadening of the pulse and the change in its temporal profile are shown.

# **Modeling Task**



### **Results**



## **Document Information**

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