

## **Modeling and Analysis of Fiber Networks**

Paper is manufactured from a colloidal suspension, out which fibers filtrate onto a wire mesh, leaving behind a fiber network. Fiber networks are found in a variety of applications and their behavior is important to many industrial processes. This project is focused toward developing a method that will model fiber networks formed, so that the properties can be analyzed. Mathematica, a software package for technical computing, is used to generate the models. The models are essentially a collection of fiber clusters, therefore this will allow us to study the growth and fiber-to-fiber interactions within the fiber network.

### **Category: Computer Science and Mathematics**

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