

Data files relating to the research published in the paper:

## **“Modal Rayleigh-like streaming in layered acoustofluidic devices”**

### **1. “Modelling”:**

Two COMSOL models are in this folder which demonstrate respectively the “modal Rayleigh-like streaming” and the “transducer plane streaming” in layered acoustofluidic manipulation devices (as described in the paper). COMSOL 5 is required to open these files.

### **2. “Experimental”:**

Files showing experimental particle velocity measurements of the devices described in the paper. Four-quadrant transducer plane streaming and modal Rayleigh-like streaming are presented in separated folders.

The .fig files are results produced using the Matlab based  $\mu$ piv software, *mpiv*.

The file with a .jpg extension in the folder “Modal\_Rayleigh-like\_streaming” shows the measured streaming velocity magnitudes along different heights of the fluid channel.