
ORIENTATIONAL ORDER INDUCED BY A POLYMER NETWORK IN THE ISOTROPIC PHASE OF LIQUID CRYSTAL

A Data management plan created using the DMPTool

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Types of data produced

Measurements of LC cells parameters, such as retardation vs voltage, retardation vs voltage, retardation vs time (testing feasibility of practical use) etc will be collected in the course of project completion. Single measurements data file is usually less than 1MB in size and is in plain ASCII format. Intermediate data processing will be done either using Excel or Mathematica software packages. Resulting files are usually around 1MB in size.

Data and metadata standards

The raw data product will be shared with researchers around the globe at their request and at no cost. The final data product (in the form of graphs, charts, diagrams etc) will be published in scientific journals, making them freely acceptable.

Policies for access and sharing, and provisions for appropriate protection/privacy

Our intent is that the long-term high quality final data product generated by this project will be available for use by the research communities in perpetuity. The raw supporting data will be available in perpetuity as well, for use by researchers. There is no embargo period. Data leading to creation of intellectual property will not be released until they will be patented.

Policies and provisions for re-use, re-distribution

Once our data is published, reuse will be free to anyone interested.

Plans for archiving and preservation

Daily and monthly backups of the data files will be retained at the Liquid Crystal Lab at California State University, Sacramento. One backup copy will be stored off-site using one of the cloud servers.