Search-match in the cloud—the Momentum Transfer analysis platform

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In this session, we will present the features of the Momentum Transfer analysis platform, highlighting a new search-match tool that is fast, free to use, and requires no local installation. Currently, the tool enables phase identification on X-ray diffraction data—whether collected using synchrotron radiation or uploaded from other sources—by utilizing the Crystallographic Open Database (COD) [1]. Users can easily filter their searches by chemistry and crystal system, and compatibility with other databases will be available soon. Finally, we will discuss upcoming access to an open X-ray scattering measurements database for FAIR data, collected as part of the Materials Scattering Network (MatScatNet) project funded by OSCARS.



Figure 1. *Free search-match-in-the-cloud interface on app.momentum-transfer.com*

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