Journal of Applied Crystallography

ISSN 0021-8898

Received 0 XXXXXXX 0000
Accepted 0 XXXXXXX 0000
Online 0 XXXXXXX 0000

CrystalPlan: an Experiment Planning Tool for Crystallography

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Beam time at large x-ray and neutron scattering facilities is always at a premium. The CrystalPlan program can calculate the data coverage of a crystal in reciprocal space in a single-crystal diffraction time-of-flight experiment. CrystalPlan can help a user build an experiment plan that will acquire the most data possible, with sufficient coverage but limited redundancy, therefore increasing scientific productivity. An attractive GUI including a 3D viewer and an automated coverage optimizer are among its useful features. A sample use case of the program with the TOPAZ beamline at SNS will be presented.

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Acknowledgements

References

Author, A. & Author, B. (1984). *Journal* **Vol**, first page–last page.

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Figure 1
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