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## The Stress and TExture CAculator software tool

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The “Stress and TExture CAculator” (Steca) is a data reduction software tool. It is used to support the analysis of the data from x-ray material diffractometers and neutron strain scanner STRESS-SPEC.

In particular, peak positions, widths and intensities are extracted from the 2D detector data of the instruments. The extracted data can be saved within a Steca project file or exported into different formats for external use.

The software is developed and maintained by the Scientific Computing Group of the JCNS in Garching in close contact with the scientific staff of the instruments. Steca is open-source software written in C++. Utilizing the Qt framework, Steca is available for both Windows and Linux operating systems.

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