



## **Anisoft5 - Complex treatment of magnetic susceptibility data**

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Anisoft5 is a major update of already widely-used computer program to process magnetic anisotropy data. Since its first release almost a decade ago, Anisoft has gained a wide popularity mainly due to its very simple, straightforward, and user-friendly interface. The software update treats both in-phase and out-of-phase (if provided) magnetic susceptibility as acquired by several models of AGICO Kappabridges (KLY2-5, MFK1) or data imported from external sources. The data are presented in various modes: anisotropy of magnetic susceptibility and its field dependence; bulk susceptibility; variations of magnetic susceptibility as a function of field, frequency and temperature. For anisotropy data, the principal directions of anisotropy tensors are calculated and visualized together with the quantitative anisotropy parameters, and mean tensors and their confidence ellipses (Jelinek statistics). Bulk susceptibility data are presented in a pivot table in which various frequency dependence parameters are calculated (if multiple frequency data are available) and visualized in various diagrams such as log plots or histograms. The field and temperature dependence data are visualized as respective curves and various quantitative parameters are calculated. Each graphical output can be exported into vector or raster graphical formats or, via clipboard, pasted directly into a presentation or publication manuscript.