Beitrag ID: 12 Typ: nicht angegeben

The Importance of Symbolic Data Types

Freitag, 28. Oktober 2022 11:25 (25 Minuten)

Convex hull computations are an essential part of many scientific calculations. We present an experiment written in Julia involving convex hull computations done with two different types of data, floats and rationals. A comparison of the results shows that using floats leads to the loss of the combinatorics of the experiment.

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Sitzung Einordnung: Contributed Talks