Contribution ID: **55**   Type: **Scheduled Talks**

Picture Recognition and Quantum Algebra

Friday, July 25, 2025 9:30 AM (1 hour)

Mathematical knots, appearing everywhere from category theory to DNA, are visual objects, yet recognizing them from images remains a challenge. This friendly introduction outlines a project aimed at automated knot recognition from everyday pictures (e.g., taken with your phone), using tools from quantum algebra (think: Jones polynomial), though we are still far from that goal.

Motivation for Participation

Application for a talk

E-Mail

Special requests and comments

Academic Status

Financial Support

Institution (University)

Topic of your talk

Comments and Suggestions on the Community Agreement

Nationality

Country of Institution

Preferred Name

Gender

Preferred Pronouns

Presenter: TUBBENHAUER, Dani