大阪大学ミラー対称性セミナー

日時：2024 年 6 月 4 日(火) 10:30 – 12:00
場所：大阪大学理学部 E404 号室（対面のみ）

講演者:　任 鑫（大阪大学）

タイトル:
q-rationals and the 2-CY category of type A_2
Part 2: Spherical objects on C_2 and rational numbers

アブストラクト:
Let q be a formal parameter. The left and right q-deformed rational numbers were introduced by Bapat, Becker and Licata via regular continued fractions, and the right q-deformed rational number is exactly q-deformed rational number considered by Morier-Genoud and Ovsienko. They gave a homological interpretation for left and right q-deformed rational numbers. Our goal is to provide an understanding of the above definitions and related results.
In the second part, we will talk about the following.

(1) Some examples on the 2-CY category of type A_2 (denote by C_2);
(2) Braid group actions on $\mathbb{Q}\cup \left\{\frac{1}{0}\right\}$ via $PSL(2,\mathbb{Z})$
(3) The definition of q-deformed rational numbers.

世話人: 高橋 篤史，三浦 真人，真鍋 征秀，松本 圭峰（全て大阪大学）