



Contribution ID: 10

Type: **not specified**

Rational homotopy of embedding spaces: $\text{grt}(\mathbb{Q})$ and univalent graphs

Thursday, September 1, 2022 6:00 PM (50 minutes)

I will speak about two distantly related topics. The first one is $\text{grt}(\mathbb{Q})$ as subspace of the rational homotopy of spaces of long embeddings $R^m \rightarrow R^{2n}$, $2n - m > 2$.

The second one is invariants of embeddings $f : M^m \rightarrow R^n$, $n - m > 2$, in terms of univalent trees that encode the rational homotopy type of the path-component $\text{Emb}(M, R^n)_f$ of the embedding space $\text{Emb}(M, N)$. The first topic is a joint work with T. Willwacher, while the second one is a joint work with B. Fresse and T. Willwacher.

Presenter: TURCHIN, Victor (Kansas State University)