

### **Acyclicity conditions on pasting diagrams**

**Hadzihasanovic, Amar; Kessler, Diana-Maria** Applied categorical structures 2024 / art. 31 <https://doi.org/10.1007/s10485-024-09784-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Computational aspects of rewriting in higher-dimensional diagrams = Kõrgemamõõtmeliste diagrammide ümberkirjutamise arvutuslikud aspektid**

**Kessler, Diana-Maria** 2025 [https://www.ester.ee/record=b5753859\\*est](https://www.ester.ee/record=b5753859*est) <https://digikogu.taltech.ee/et/Item/792ff142-321f-470c-b840-76489d4f9270> <https://doi.org/10.23658/taltech.47/2025>

### **A Critical Pair Enumeration Algorithm for String Diagram Rewriting**

**Matsui, Anna; Obi, Innocent; Sabbagh, Guillaume; Torres, Leo; Kessler, Diana-Maria; Meleiro, Juan F.; Muroya, Koko** Applied Category Theory (ACT) 2025 / 18 p <https://drive.google.com/file/d/10UDhhSA0CxrZqeT3Pevf5ydCRrye12D/view?pli=1>

### **Data structures for topologically sound higher-dimensional diagram rewriting**

**Hadzihasanovic, Amar; Kessler, Diana-Maria** 5th International Conference on Applied Category Theory, ACT 2022, Hybrid, Glasgow, 18-22 July 2022 2023 / p. 111-127 : ill <https://doi.org/10.4204/EPTCS.380.7> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Higher-dimensional subdiagram matching**

**Hadzihasanovic, Amar; Kessler, Diana-Maria** 2023 38th Annual ACM/IEEE Symposium on Logic in Computer Science (LICS) : Boston, MA, USA : 26-29 June 2023 2023 / 13 p <https://doi.org/10.1109/LICS56636.2023.10175726> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Why quantum state verification cannot be both efficient and secure : a categorical approach**

**Wiesner, Fabian; Chaoui, Ziad; Kessler, Diana-Maria; Pappa, Anna; Karvonen, Martti** arXiv.org 2024 / 36 p <https://doi.org/10.48550/arXiv.2411.04767>