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**Jozef H. Przytycki\*** (przytyck@gwu.edu), George Washington University, Phillips Hall, Washington, DC 20052-0001, and **Marithania Silvero**. *Complexity of extreme Khovanov homology for 4-braids.*

We present here recent progress on polynomial complexity algorithm for computing extreme Khovanov homology for 4-braids. One of the results involves outerplanar circle graphs and their geometric realization (via independence simplicial complex). (Received February 25, 2020)