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Maitreyee C Kulkarni, Bonn, Germany, **Jacob P Matherne**, Bonn, Germany, **Kaveh Mousavand**, Kingston, Canada, and **Job D Rock*** (jobdrock@gmail.com), Everett, MA. *A Continuous Associahedron.*

The combinatorics of a type A cluster algebra can be encoded in an associahedron. We will examine a construction of a continuous version of such an associahedron. The motivation for this continuous version comes from N=4 supersymmetric Yang—Mills theory; we would like to study physics in real time. (Received August 17, 2021)