1167-30-292 Maxime Fortier Bourque, Didac Martinez-Granado and Franco Vargas Pallete\*

(franco.vargaspallete@yale.edu), Department of Mathematics, 442 Dunham Lab, 10 Hillhouse Ave, Yale University, New Haven, CT 06511. *The extremal length systole of the Bolza surface*. Preliminary report.

We prove that the extremal length systole of genus two surfaces attains a local maximum at the Bolza surface, where it takes the value  $\sqrt{2}$ . (Received March 09, 2021)