

Etienne Ghys

Title: On cutting cloth, according to Chebyshev

Abstract: On August 28th, 1878, Chebyshev gave a talk with the same title in Paris (seventh meeting of the Association for the Progress of Science). Given a shape, like an elbow for example, how should we cut a piece of cloth to cover it, avoiding folds... Chebyshev gave several concrete examples. I would like to revisit this kind of questions and I'll discuss in particular a good way to cloth a sphere or a large domain in the Poincaré disc.