6.885
L14.5
Nov. 1, 2004

Teabag problem: [Earwicker 1997?]

what is maximum-volume body that can be folded from a doubly covered square?

- upper bound from hypothetical sphere: $\sqrt{2}/3\sqrt{\pi}$
  ≈ 0.265961520
- stronger upper bound: $\approx 0.217584104961869$ [Kepart 1998]
- best lower bound (example) so far: ≈ 0.2055

Karate chops: every convex polyhedron can be folded to increase volume
[lost reference]