With the energy method, we relax our expansive condition. That doesn't seem like such a concession — why were we so concerned with expansivity in the first place? Was it just a convenient condition to ensure no self-intersection?

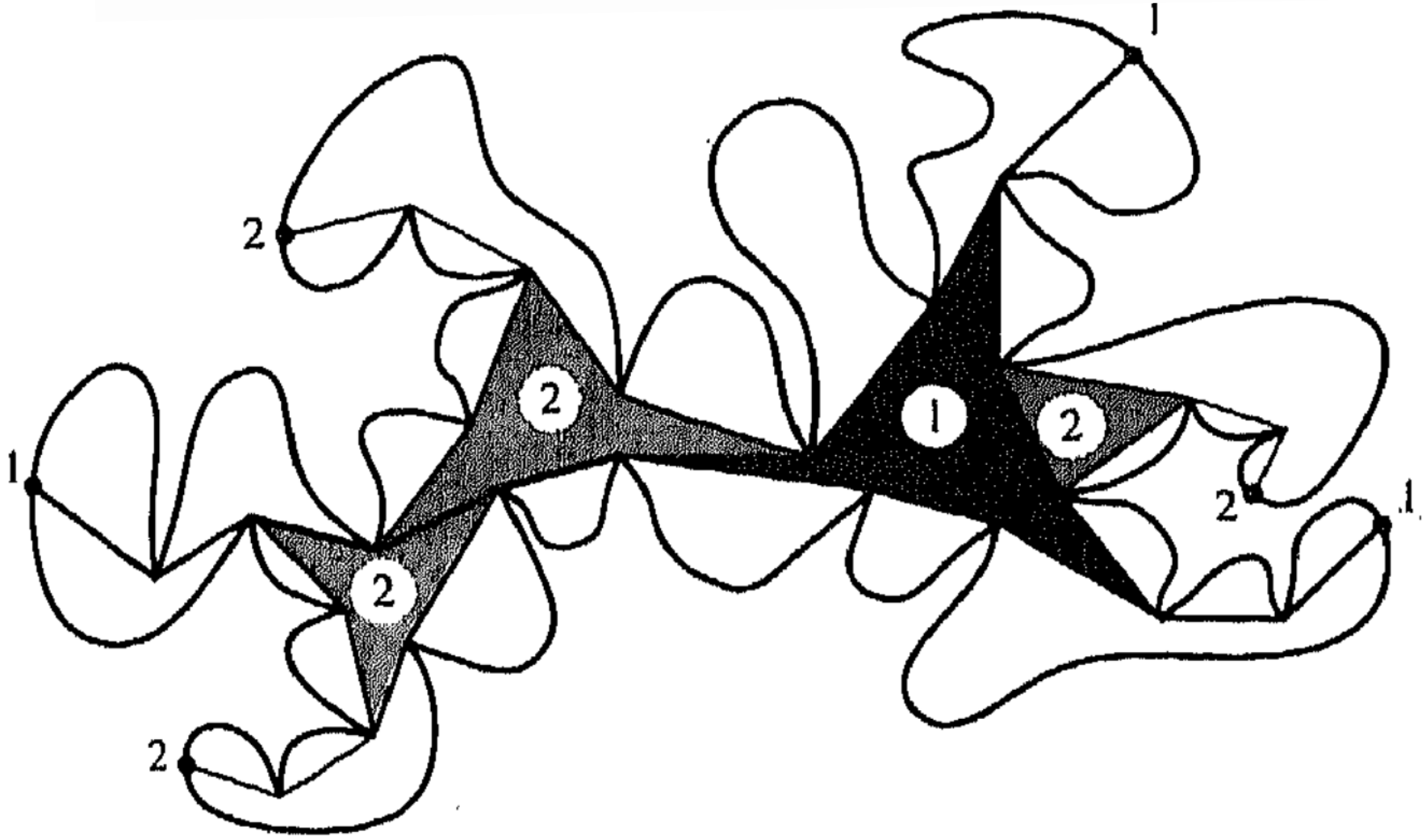
For the energy decreasing algorithm, how do we know that when following the gradient we aren't finding just a local minimum that isn't fully unfolded?

(presumably this is what would happen if we tried to apply the algorithm to some locked 2D trees)

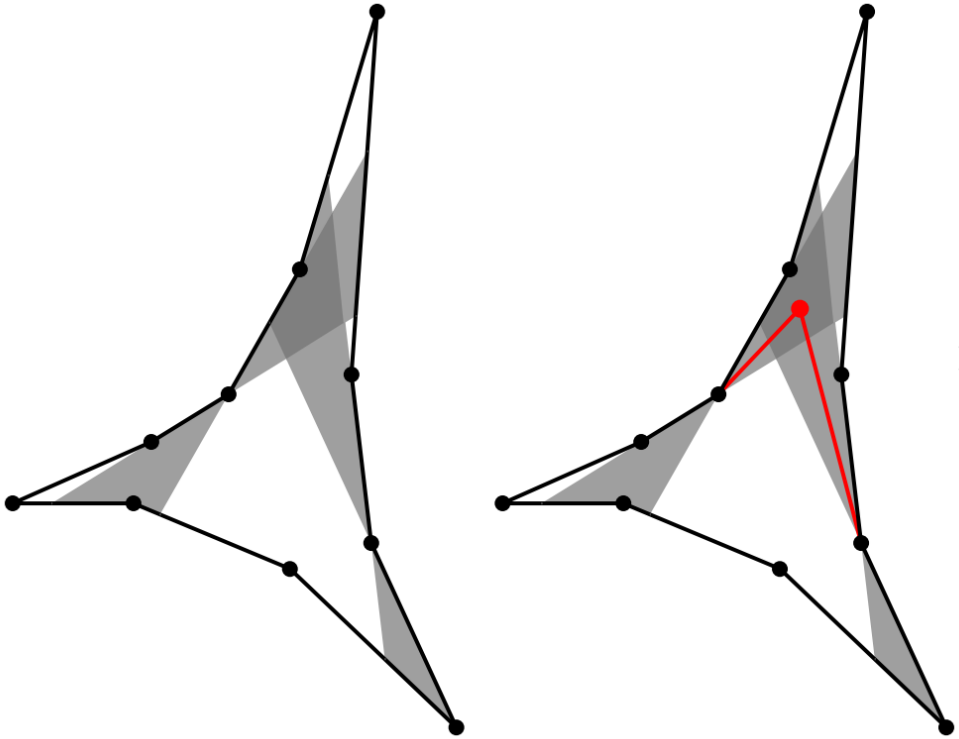
Really interested in pointed pseudotriangulations [...]

Ray Shooting in Polygons Using Geodesic Triangulations[1]

B. Chazelle,[2] H. Edelsbrunner,[3] M. Grigni,[4] L. Guibas,[5,6,7]
J. Hershberger,[5] M. Sharir,[8,9] and J. Snoeyink[7]

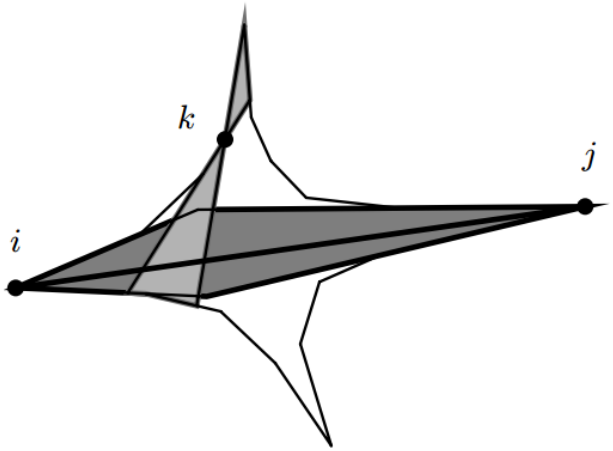


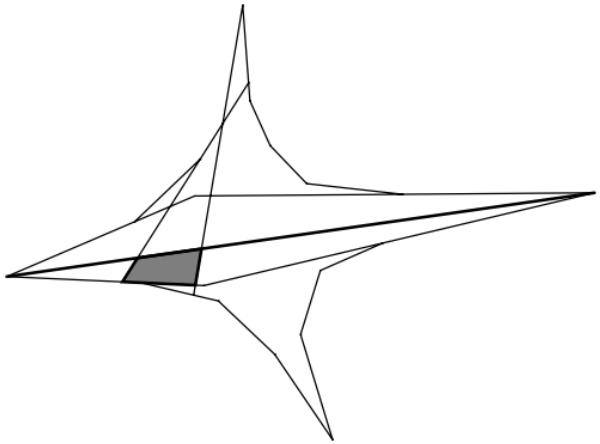
[Chazelle, Edelsbrunner, Grigni, Guibas, Hershberger, Sharir, Snoeyink 1994]

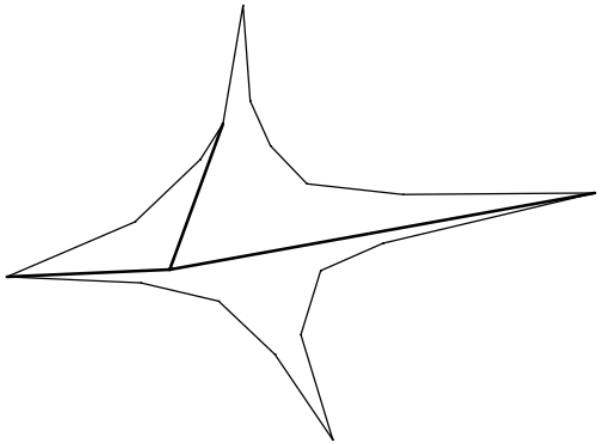


Planar Minimally Rigid Graphs and Pseudo-Triangulations

Ruth Haas [a], David Orden [b,1], Günter Rote [c,2], Francisco Santos [d,1], Brigitte Servatius [e], Herman Servatius [e], Diane Souvaine [f,3], Ileana Streinu [g,4], Walter Whiteley [h,5]





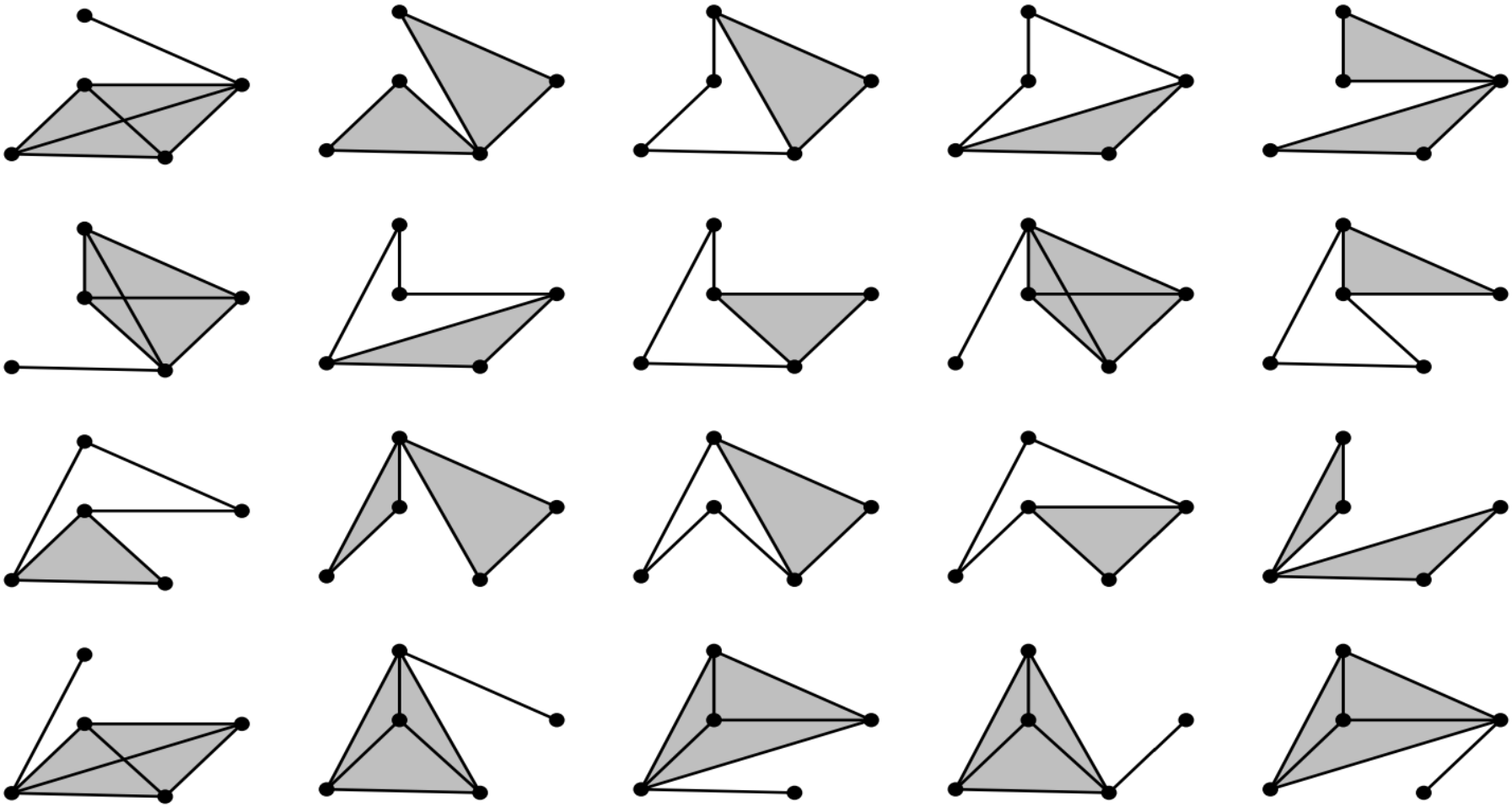


[Haas, Orden, Rote, Santos, Servatius, Servatius, Souvaine, Streinu, Whiteley 2005]

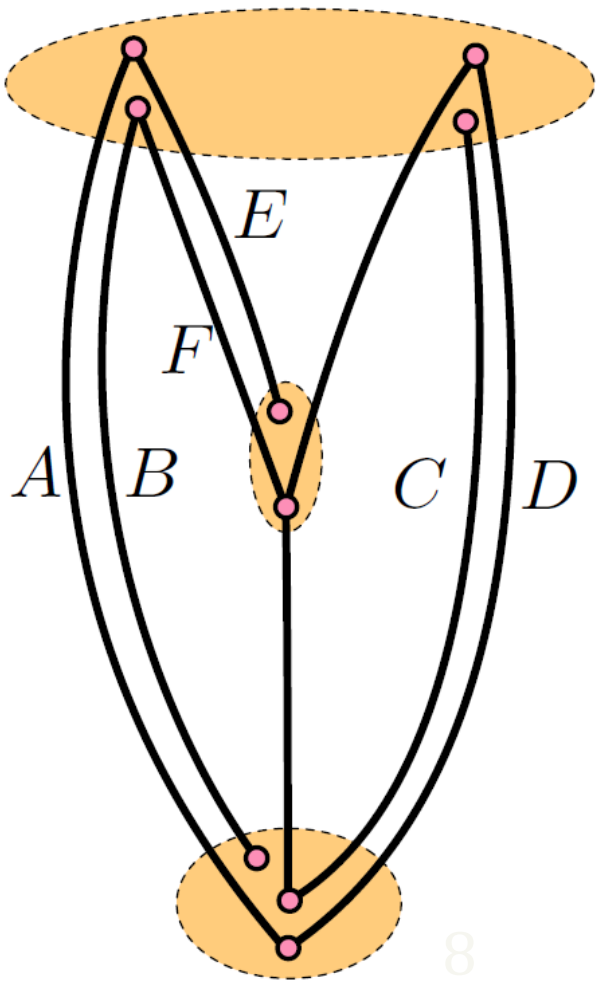
[Rote, Santos, Streinu 2002]

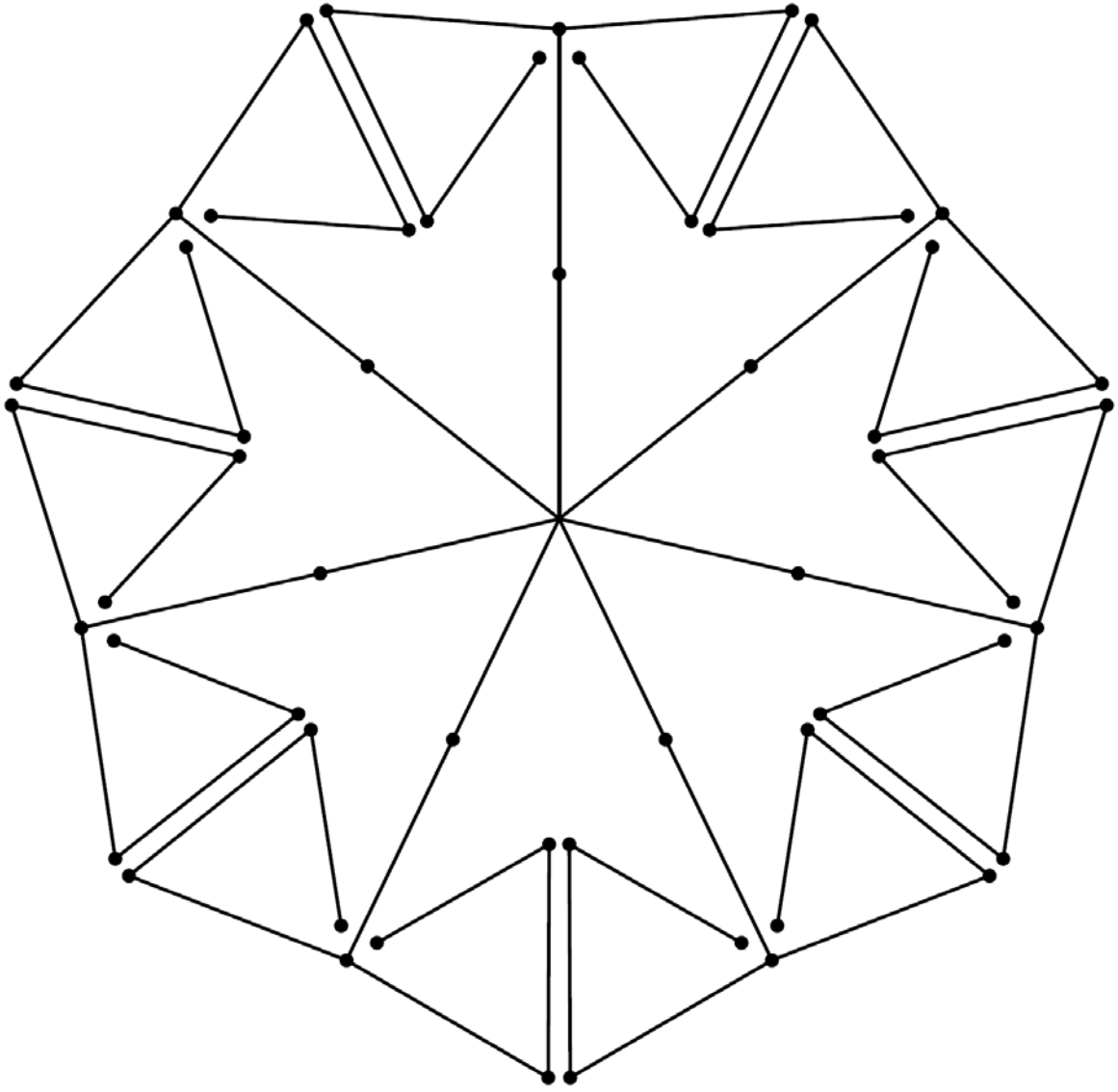
Expansive Motions and the Polytope of Pointed Pseudo-Triangulations

Günter Rote
Francisco Santos
Ileana Streinu



Have any of the open problems been solved?

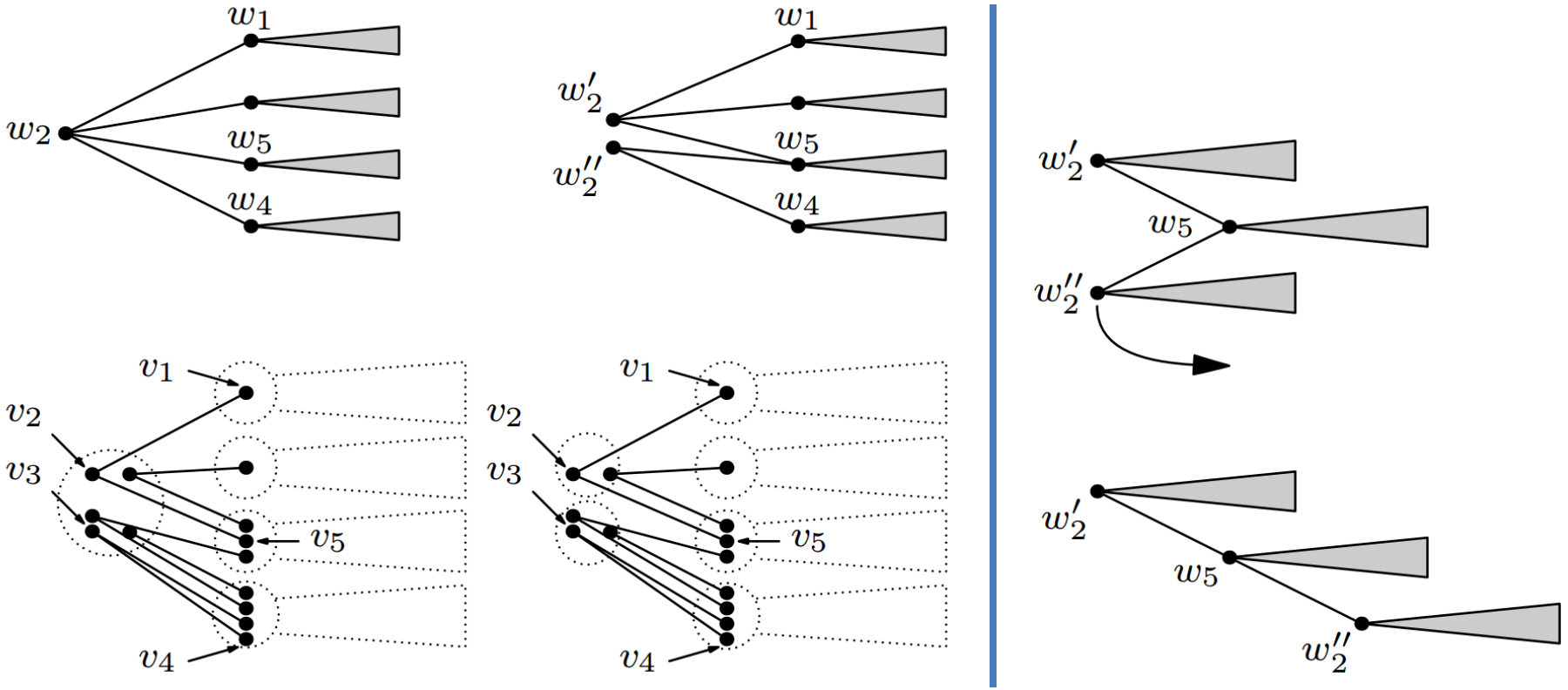




[Ballinger, Charlton, Demaine, Demaine, Iacono, Liu, Poon 2009]

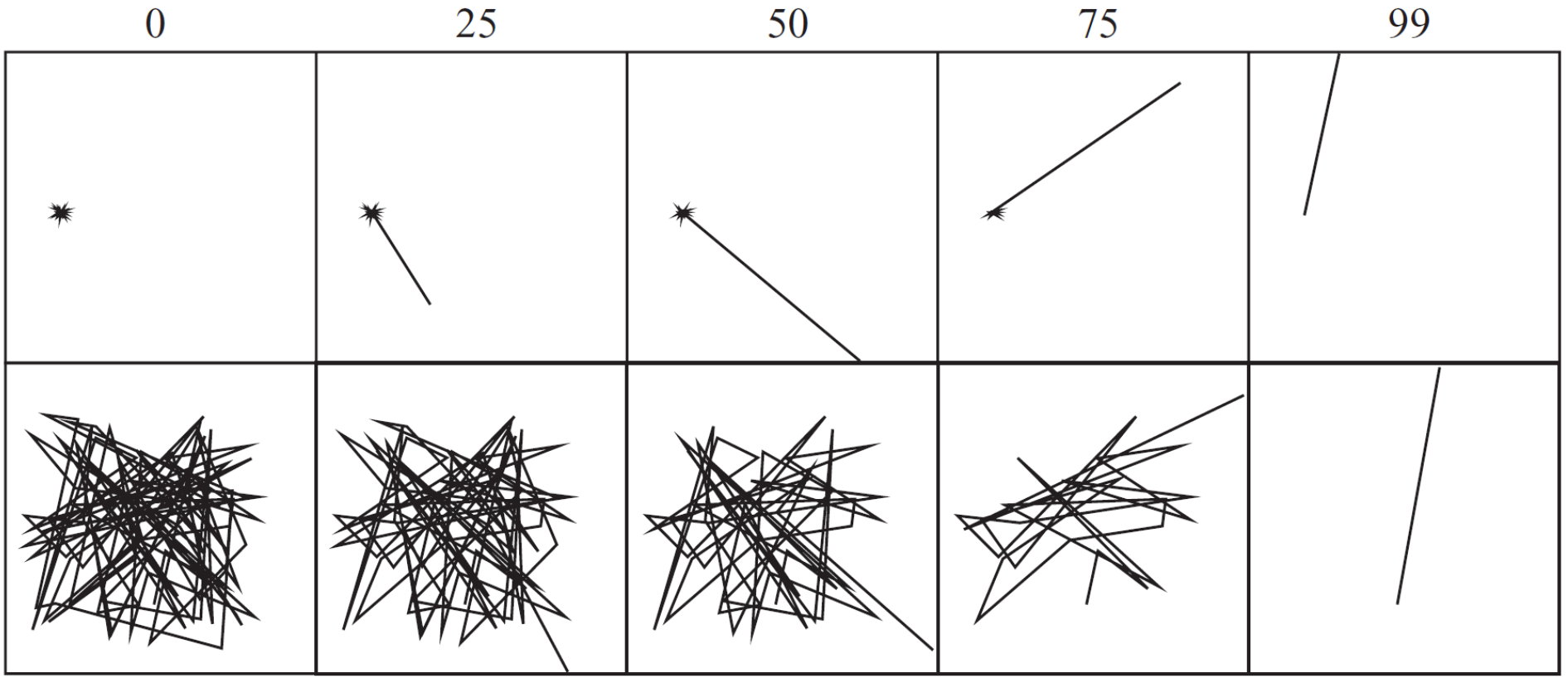
Folding Equilateral Plane Graphs

Zachary Abel[1], Erik D. Demaine[2], Martin L. Demaine[2], Sarah Eisenstat[2], Jayson Lynch[2], Tao B. Schardl[2], and Isaac Shapiro-Ellowitz[3]



[Abel, Demaine, Demaine, Eisenstat, Lynch, Schardl, Shapiro-Ellowitz 2011]

I’d like a little more intuition on why 4D is so radically different than 3D for locked linkages.



[Cocan & O'Rourke 2001]