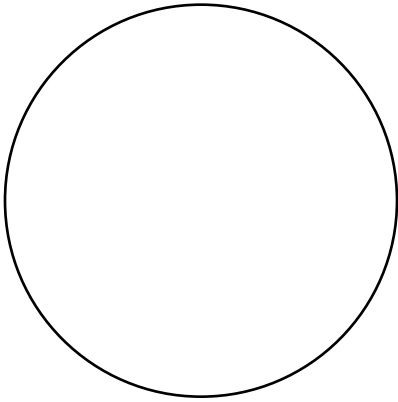
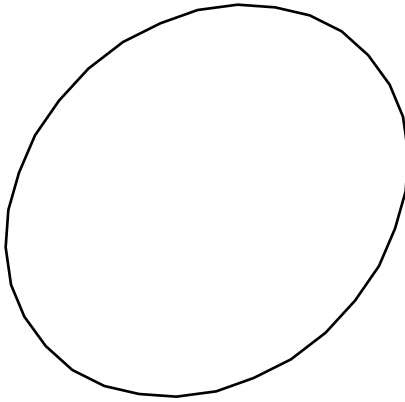


STRAIN (part II)

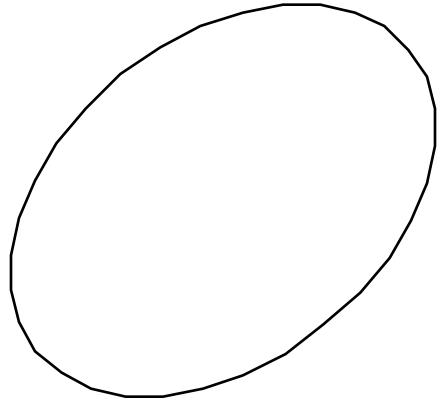
Do questions 2.10 and 2.11 in Ramsay & Huber (1983) using the following strained circles.



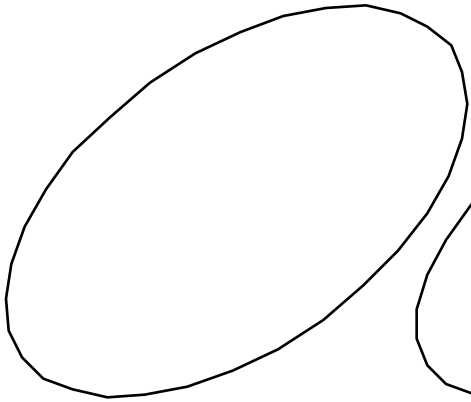
= 0.0



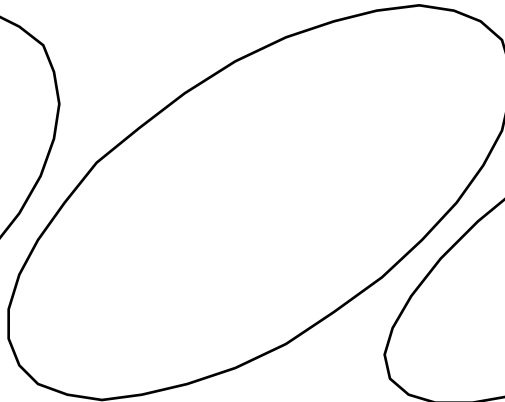
= 0.2



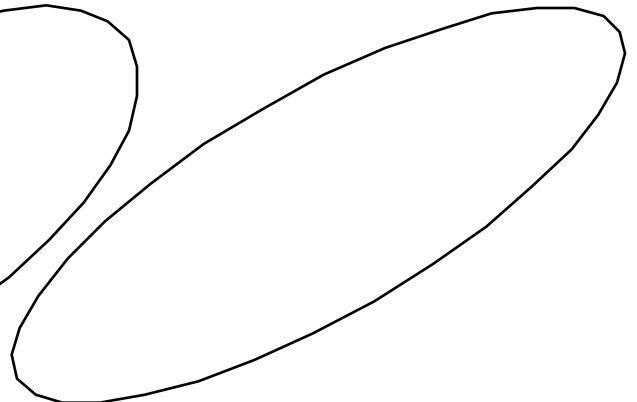
= 0.4



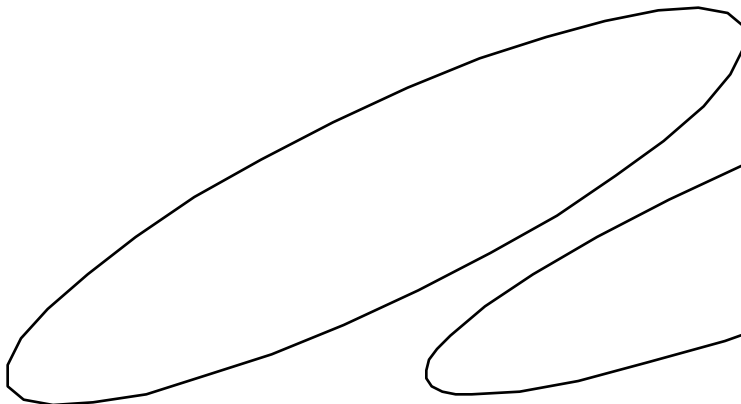
= 0.6



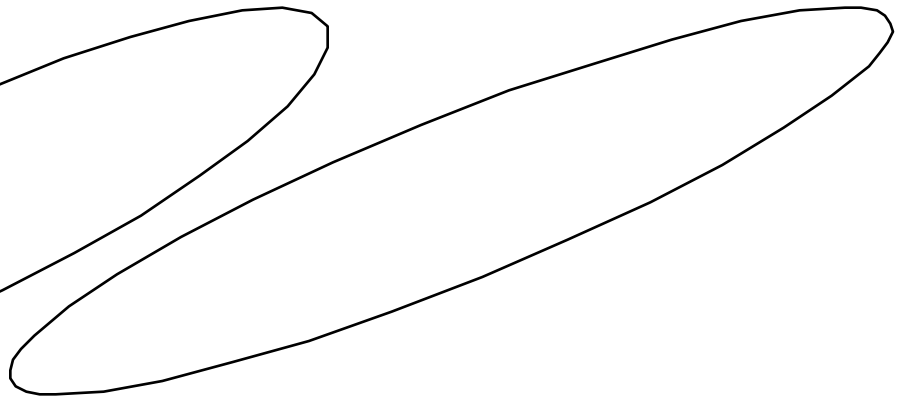
= 0.8



= 1.2



= 1.6



= 2.0

Also do question 3.5 in Ramsay & Huber (1983) and the problem in the spreadsheet *Andes_velocity_gradient.xls* on the web.

Extra credit question: Assume that the diagenetic stylolites below originally had an orthogonal upright box geometry. The dashes represent a penetrative stylolitic cleavage that produced only a negative dilation (i.e. volume loss). What is the volume loss? (Hint: because the cleavage is non-rotational, lines parallel to the cleavage change neither in orientation nor in length; lines perpendicular to the cleavage do not rotate but are shortened; all other lines will change both in orientation and in length.)

