



A garnet-bearing granite is deformed into a gneiss. The growth of garnet predates deformation and no new garnet form during deformation. The sketches below show the distribution of garnets within the plane of foliation (xy plane, with x the direction of maximum elongation) and within the plane perpendicular to the lineation (yz plane), with z the normal to the foliation.

1/ Perform a Fry analysis and determine the axial ratio x/y and y/z of the finite strain ellipsoid.

2/ Plot your result into a Flinn diagram

3/ Calculate the strain shape (K) and strain intensity (D) and comment.

garnet

