

# Otsu + Border Extraction

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```
In [27]: from skimage.filters import threshold_otsu
         from skimage.morphology import erosion
         import numpy as np
         import Image
         import matplotlib.pyplot as plt

         img = np.array(Image.open('../images/1-1-g.PNG').convert('L'))
         threshold = threshold_otsu(img)
         imbw = img >= threshold

         imerosion = erosion(imbw)
         plt.imshow(img, 'gray')

         plt.figure()
         plt.imshow(imbw, 'gray')

         plt.figure()
         plt.imshow((imerosion ^ imbw), 'gray')
         plt.show()
```



