

HW #15: Convolutions

1. – 2D Image Processing & Analysis:

Using the best image you took of the pennies that I loaned to you, *find* the (x, y) centroid coordinates for each of the pennies.

After our discussion of de Podesta Section 8.3, you will:

- a) Calculate the radial distribution function
- b) Calculate the radial density function
- c) What we typically then do is to average what we'd get by picking different centroids as our starting point: that's then called a **correlation function**, $g(r)$.