

EE435 Spring 2012 PS06 (Problem Set 06)

Due: Mon 4/02/2012

1. What is a delta in a fingerprint image? Sketch a ridge pattern that shows one.
2. How are deltas automatically found in a fingerprint image (in general terms)?
3. How can you automatically tell where all the ridge endings are in a skeletonized fingerprint image? Be specific.
4. According to the textbook, what resolution of a fingerprint image is required to capture level 3 details?
5. A certain person has a Henry number of 1:1. From this, what can you tell about their fingerprint patterns?

