EE499 – Digital Image Processing

HW 1A: 2.1, 2.5
HW 1B: 2.10

2.1) Depending on assumptions made, the minimum dot diameter is approximately 18 μm. The average diameter of a human hair is 100 mm.

2.5) An approximate spacing of 0.2 mm or 2.5 pairs/mm.

2.10) \[ \text{# bits/movie} = 11.664 \times 10^{12} \text{ bits or 1.458 TB.} \] How do they fit a movie on a 50 GB Blu-ray disc?