

EN-74 ECE: Introduction to Image Processing
Tufts University
Fall 2007
Problem Set 3
Due Sept. 26, 2007

1. Can computers represent numbers like π or e ? Explain
2. Why does `imshow` work so poorly for binary images that are of type `uint8`?
3. Using `mod` and `floor`, rewrite `bitplane.m` to get rid of the `for` loops.
4. Using `bitget`, rewrite `bitplane.m` to get rid of the `for` loops.
5. Using `tic` and `toc`, determine the speeds of the three versions of `bitplane.m`