

HW #3

Due Thursday September 30th

- ★4.15 approximating a discrete derivative by $H(u,v)$
- 4.16 repetitive high-pass spatial filtering
HINT: K applications of a high-pass filter are equivalent to $(K-1)$ applications of a low-pass filter. Then apply problem 4.13
- 4.19 $H(u,v)$ implementation of a Laplacian
- ★4.21 image padding
- 4.22 Fourier transform of a padded image
- 4.26 simple homomorphic filtering