

# Linear Decoration Background

April 30, 2018 CMPE240 Adv. Micro.

1) Rubrics for the Lab Requirements to Lab Report Due In Class.  
 Be Posted ON Line. 3D GE. Granta Diff. Ret. ↓  
 LPC SPI Slave. 50% for Reps. 50% Code Demo.

Today's Topics:

1) Linear Decoration (To Be Discussed Today)

$I_{diff}(x, y, z) = (I_{diff}(x, y, z), , )$   $I_{diff, n}(x, y, z) = \frac{1}{\|r\|} \frac{n \cdot r}{\|n\| \|r\|} \cdot r \cdot k$   
 $[0, 10]$

Dynamic Range 255 8 bits  $I_{diff, r}$   
 $I_{diff, r, Max}$

Example: Linear Decoration

$P_s(x, y, z) = P(x_i, y_i, z_i)$   
 $= (r_s, g_s, b_s) = (255, 255, 255)$

# Linear Decoration Technique On Cube Surfaces

