Homework 11 2/14 G B Y M /9 CR, 6, B) -> 185  $(C, Y, m, K) \rightarrow \mathbb{R}^4$ Vimunsionalis Argument -> 12613 13 /R3 -) CMY/5 15 184 7 An IR3 space can never span IR4 because of missing Componet in 184 The black Component in (15) cannot be expressed as a linear Componential of PGB Colors For B6B to Span CMY/2 we need to Colprus K intums by linear combination by Po6B: F= X.R+ x6+ B.6 (mear Combination)

Yor some scalars A.x.B

Yor K in CMYK

16: 1- max (R, 6, B)

But

14 we take any two colors (R, 6, B,) &

(R2, 62, B2) the K componed should also add in the same way but K has a subtractive nature violating the adolitive