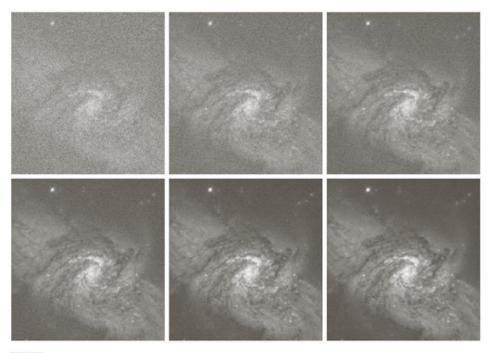
Toplama, Çıkarma, Çarpma

Addition, Subtraction, Multiplication

Toplama

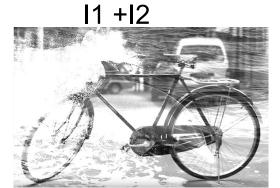


a b c d e f

FIGURE 2.26 (a) Image of Galaxy Pair NGC 3314 corrupted by additive Gaussian noise. (b)–(f) Results of averaging 5, 10, 20, 50, and 100 noisy images, respectively. (Original image courtesy of NASA.)

Toplama





 $\begin{array}{c} 11 \rightarrow 183 \\ 12 \rightarrow 152 \end{array}$

(I1 + I2) /2



 $(183+152)/2 \Rightarrow 335/2 \Rightarrow 255/2 \Rightarrow 128$



92 + 76 = 168

Toplama - alpha blending

Inew = 11 * alfa + 12 * (1-alfa)







alfa=0.15

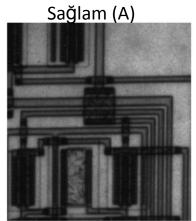


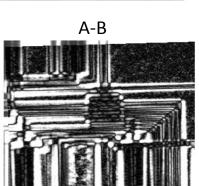
11-12

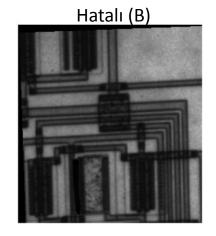
Not: Fark sonucu 0-255 dışına taşabilir. 0'ın altı 0, 255'in üstü 255 olarak güncellenir. İf komutunu kullanmadan aynı sonuç (a-b) + (b-a) ile elde edilebilir.

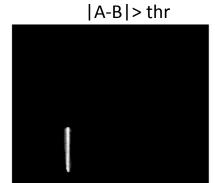


(11-12)+(12-11)

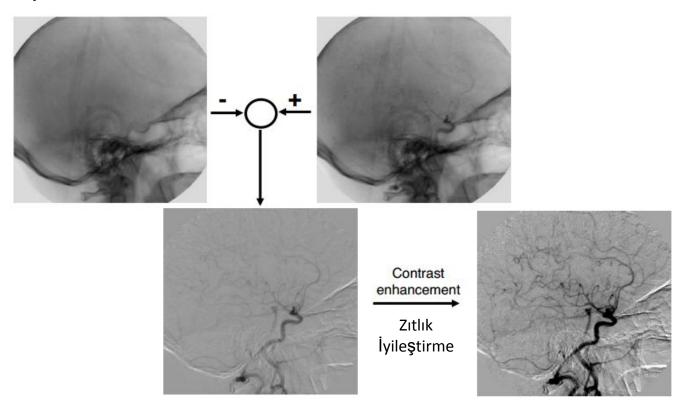


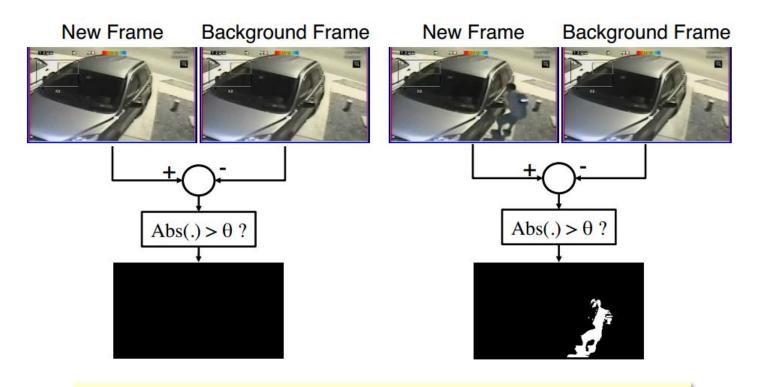






Hata nerede?





Update: Background[t] := α Background[t-1] + (1- α) New[t]

Çarpma (noktasal)

Soru) Gölge görüntüsünü nasıl elde edersin?

Gölge Örüntüsü İşlenmiş Görüntü Orijinal Görüntü C = A.* (255-B)