

TEMEL FOTOGRAFI SEMİNERİ
KONU : 2

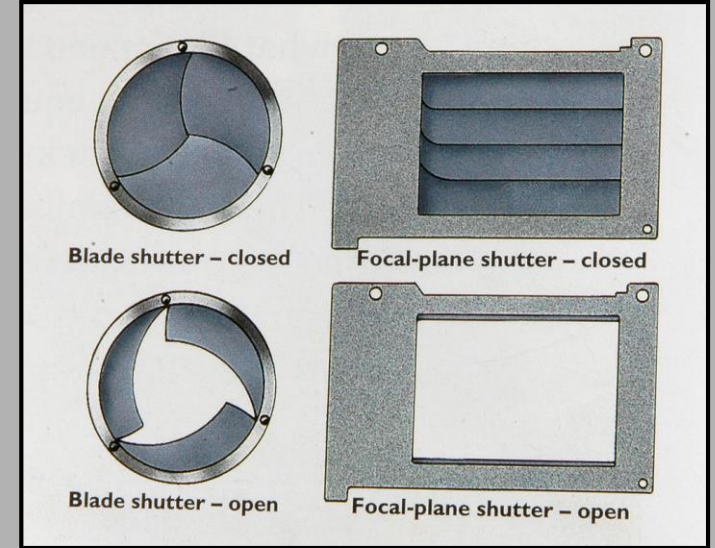
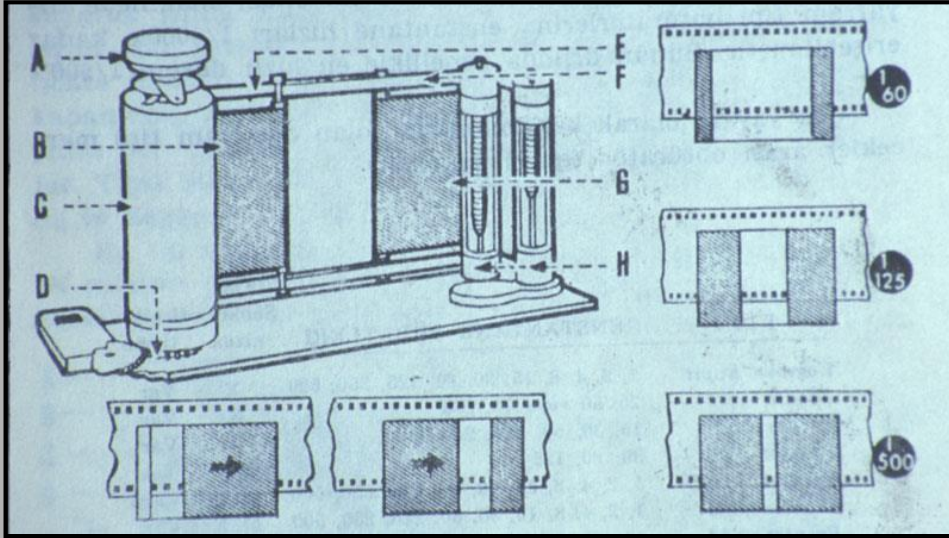
ENSTANTANE (ÖRTÜCÜ HIZI)
DİYAFRAM

ENSTANTANE – DİYAFRAM

Film üzerinde görüntünün oluşabilmesi için enstantane ve diyafram adını verdiğimiz iki değişkenin (ışık kontrolünün) beraber kullanılması gerekmektedir. Enstantane, ışığın filme ulaşma süresini; diyafram ise ışığın filme ulaşma yoğunluğunu denetlemektedir. Bu iki değişkenin ancak doğru oranlarda kullanılması ile doğru fotoğrafların çekilmesi mümkündür. Aksi halde fotoğrafımız olması gerektiğinden daha açık ya da daha koyu olacaktır.

**ENSTANTANE
(OBTÜRATÖR)**

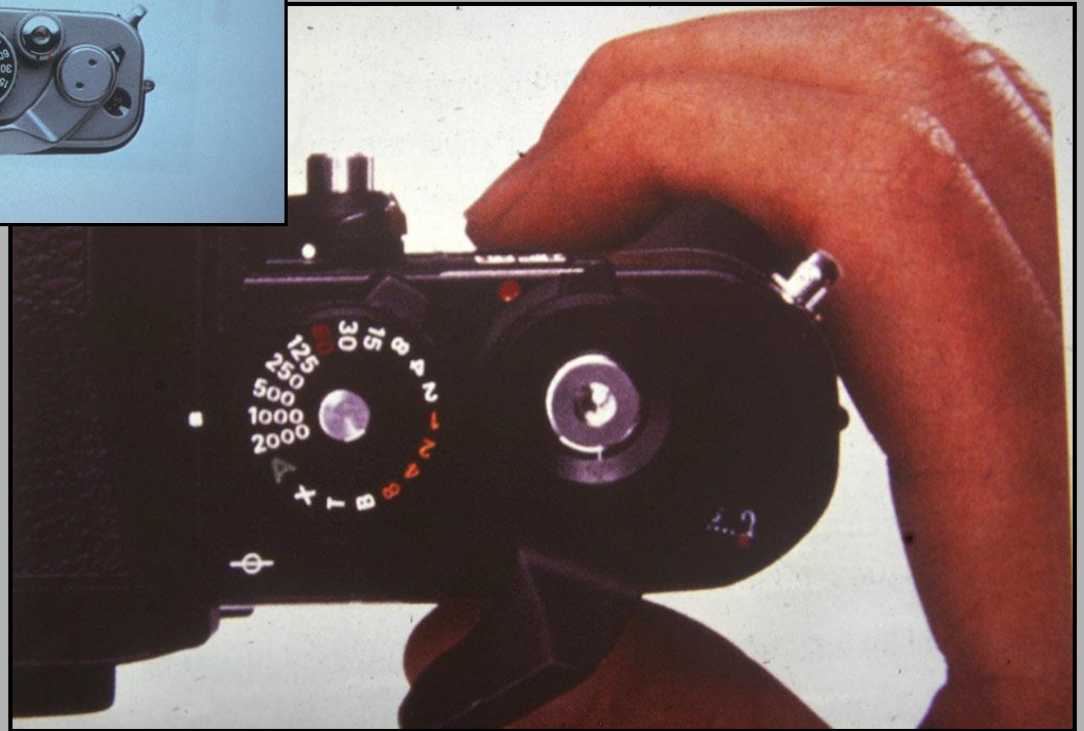
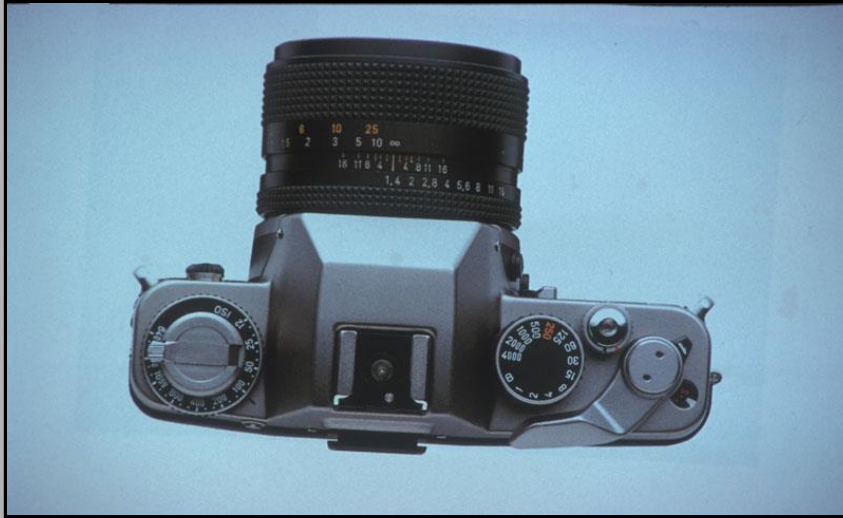
ÖRTÜCÜ NASIL ÇALIŞIR ?



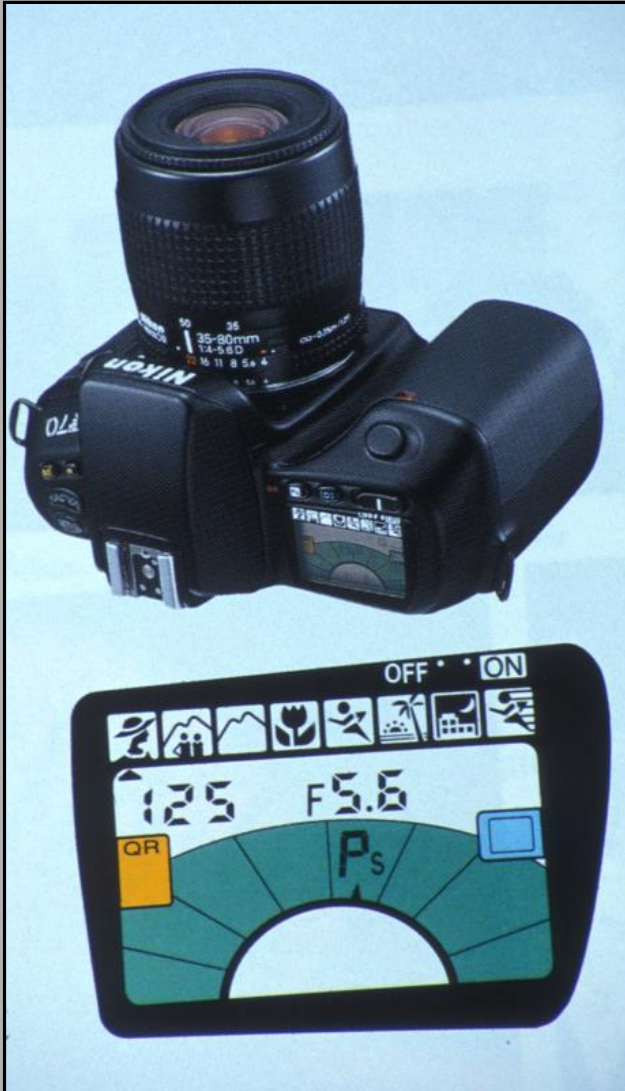
**Eski fotograf makinelerinde örtücü soldan sağa çalışırken,
yeni fotograf makinelerinde yukarıdan aşağıya
çalışmaktadır.**

Bunun en önemli yararı ...

MANUEL MAKİNELERDE ENSTANTANE KONTROLÜ ?



AF MAKİNELERDE ENSTANTANE KONTROLÜ ?



ENSTANTANE (GÖRSEL ETKİSİ)

*** HAREKETİN DONDURULMASI**

*** HAREKETİN FLU OLARAK KAYDEDİLMESİ**

ENSTANTANE (ÖRTÜCÜ) GÖRSEL ETKİSİ ...

EXPRESSING SPEED AND MOTION.

To make a sharp picture of a subject in motion, you need a fast enough shutter speed to freeze the motion. How fast is "fast enough?" This depends on several things.

Look at this sequence of photos of a motorcycle going about 30 mph taken at 1/75, 1/125, 1/250, 1/500, 1/1000, and 1/2000 of a second.

The shorter the exposure, the sharper the image. At 1/2000 we have certainly "frozen" the image. But is that the effect we want? Maybe, and maybe not.

Let's say that our desire is to express the *speed* of the motorcycle. Does the frozen image express that? Does it express motion? We think not. The slightly blurred image at 1/125 may better express the feeling of motion even though sharpness of detail is lost. To express motion as a pure concept, rather than a specific person in motion, the totally blurred image at 1/75 or 1/50 of a second may be the right shot.

The right shutter speed is the speed at which you get the effect you want - the shutter speed that helps you express your theme.

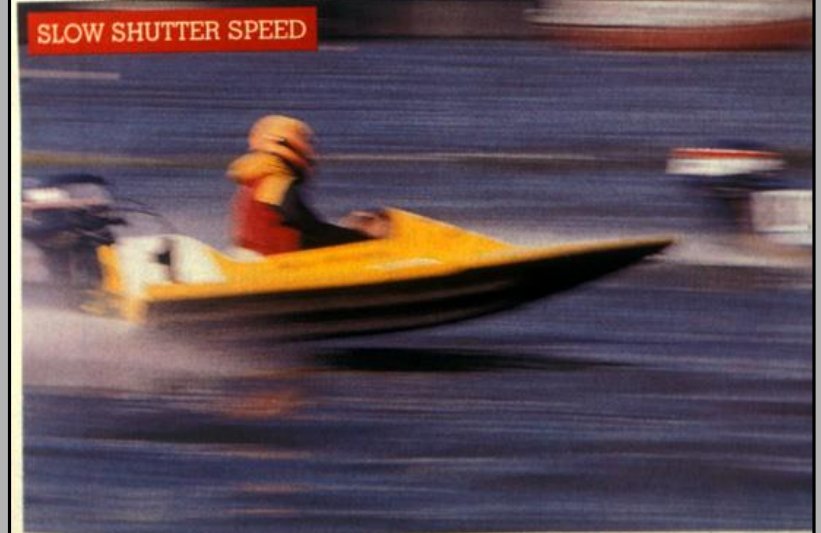


1/4000

YÜKSEK ENSTANTANE



DÜŞÜK ENSTANTANE



It's amazing the difference a shutter speed makes. The top shot was taken using fast shutter speed of 1/500 sec, the bottom one was taken at 1/30 sec.

HAREKETİN DONDURULMASI

1 / 125 ... Yürüyen İnsan

1 / 250 ... Koşan İnsan

1 / 500 ... Bisiklet

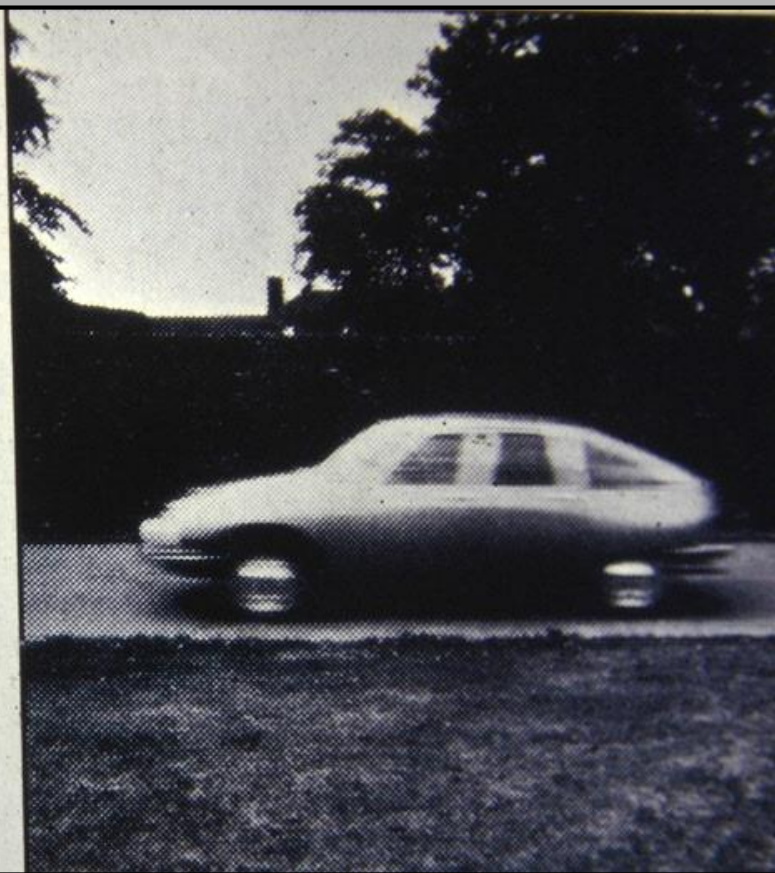
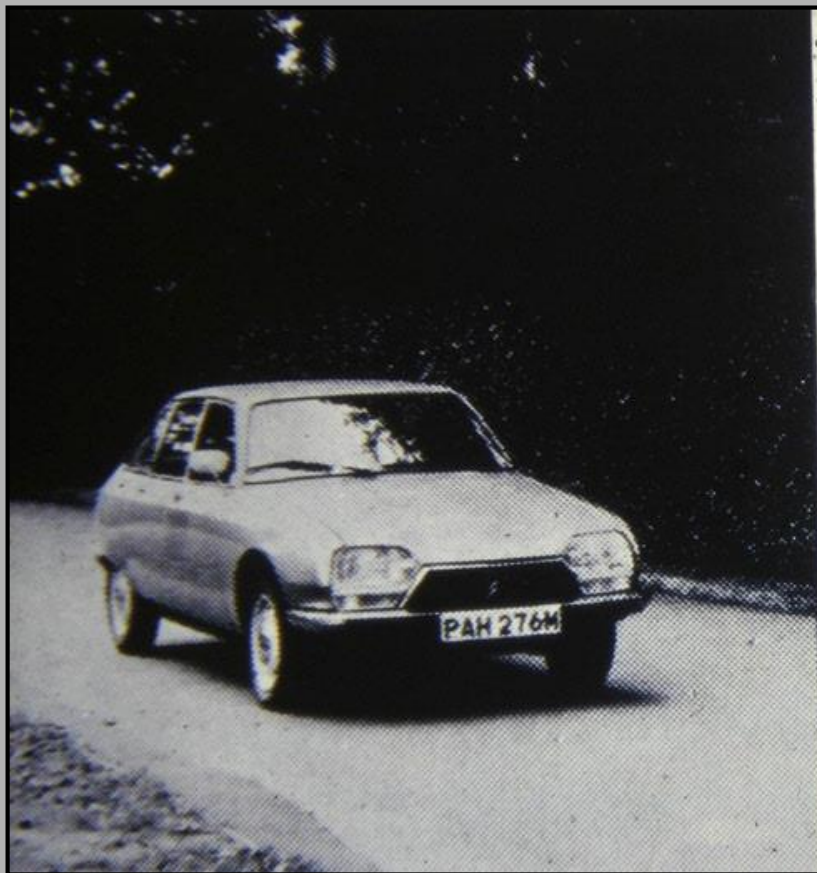
1 / 1000 ... Motosiklet

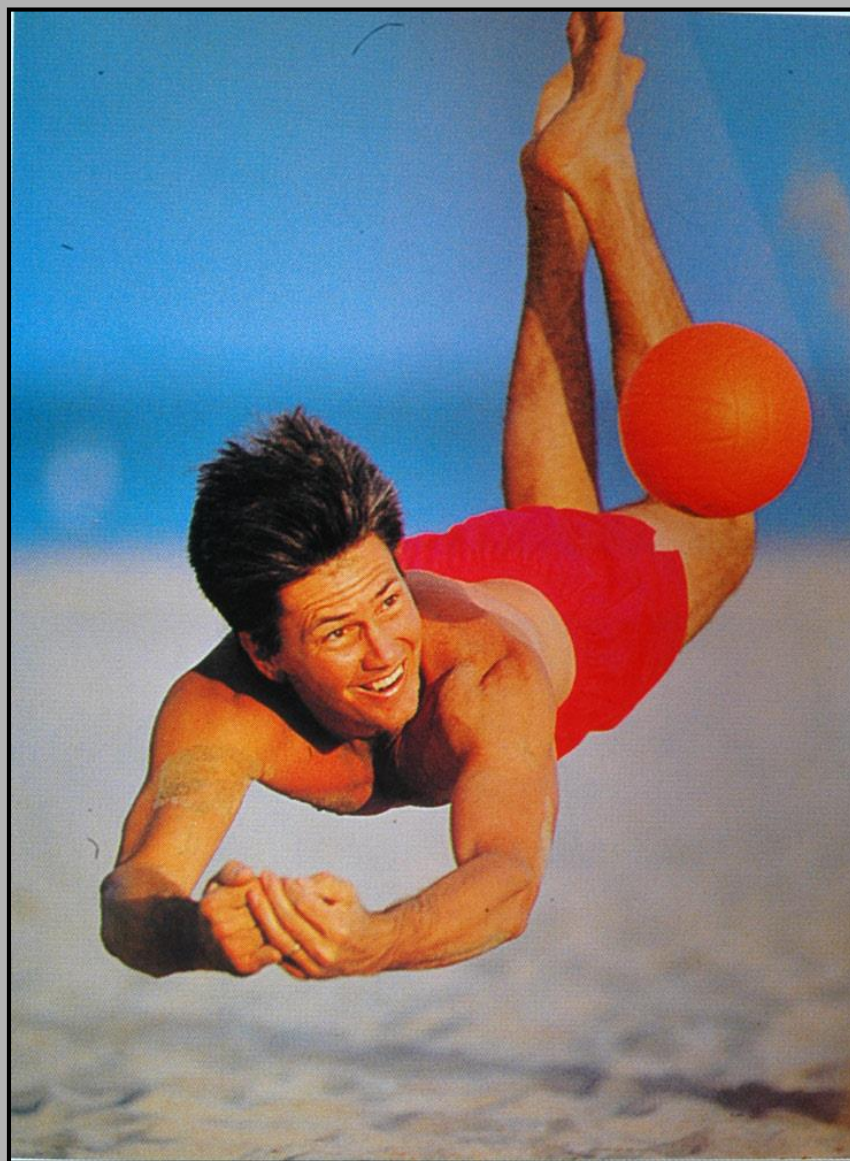
HAREKETİN DONDURULMASI

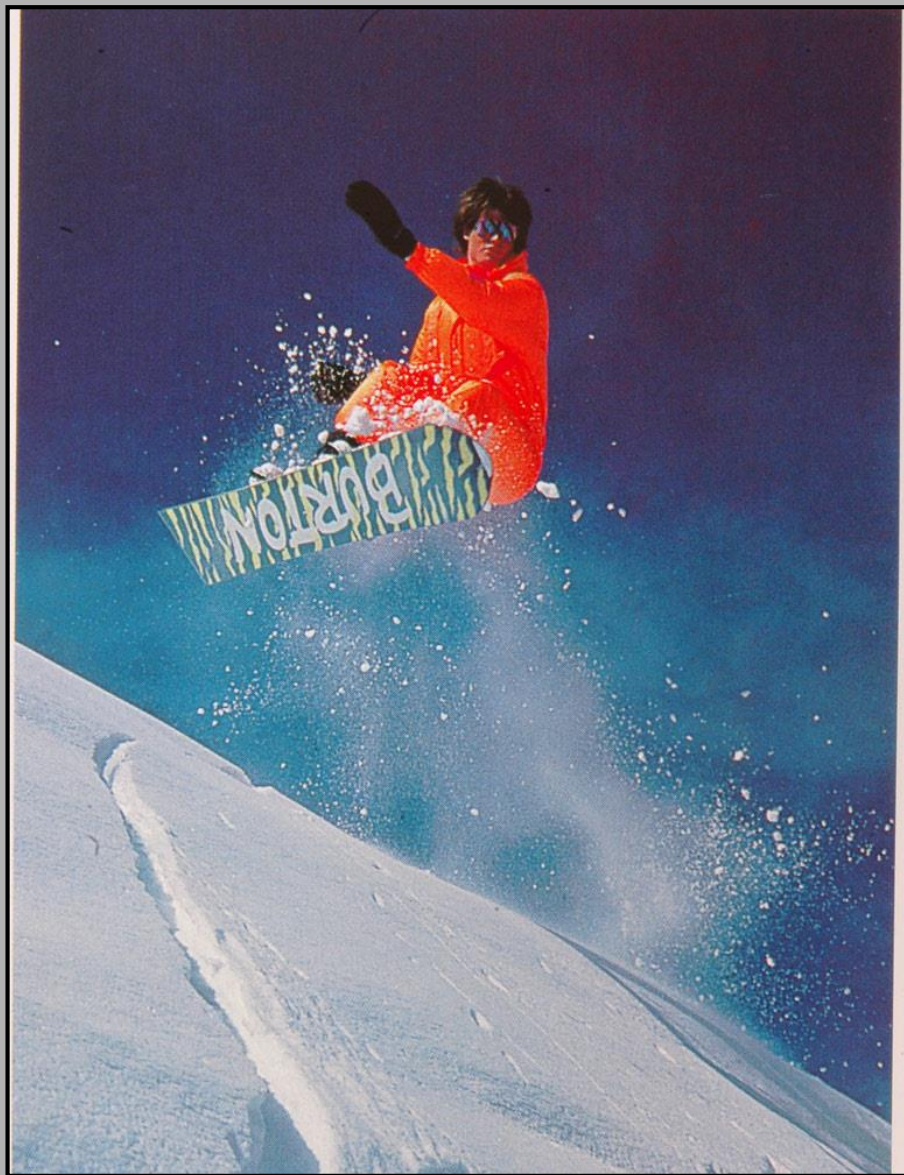
HAREKETİN HIZI

HAREKETİN YÖNÜ

HAREKETİN UZAKLIĞI







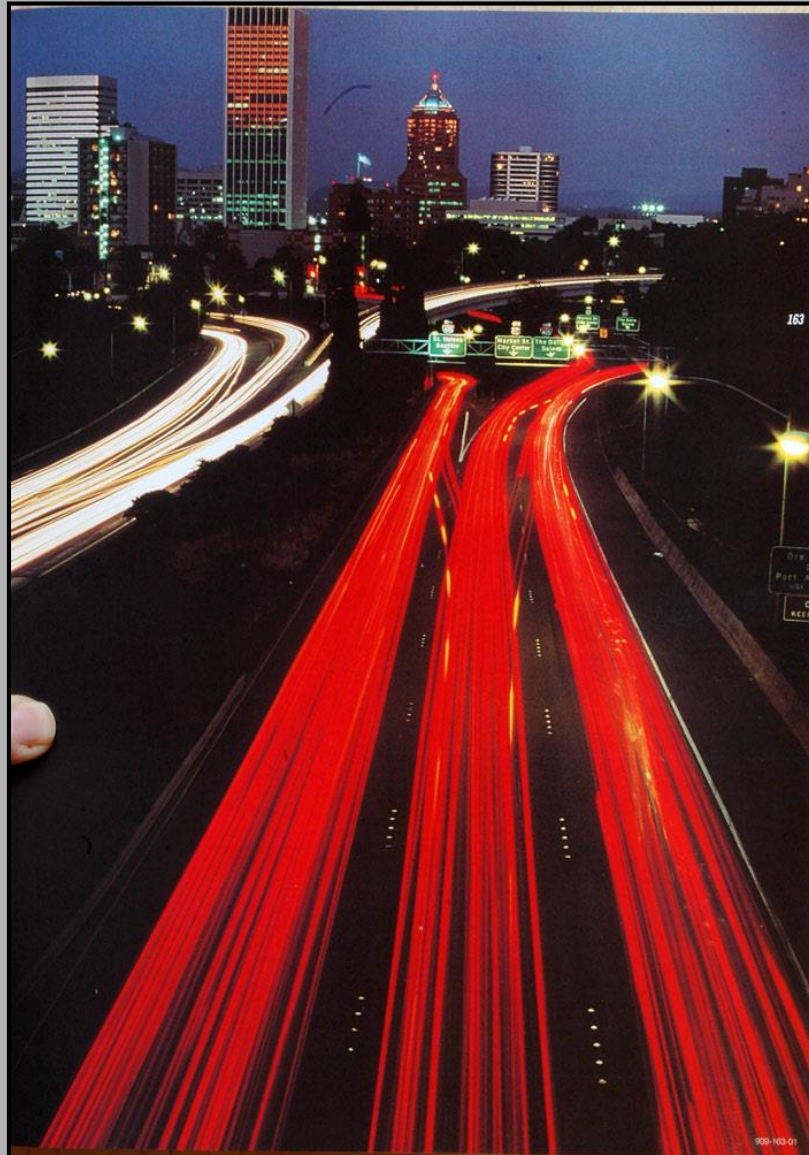
HAREKETİN FLULAŞTIRILMASI

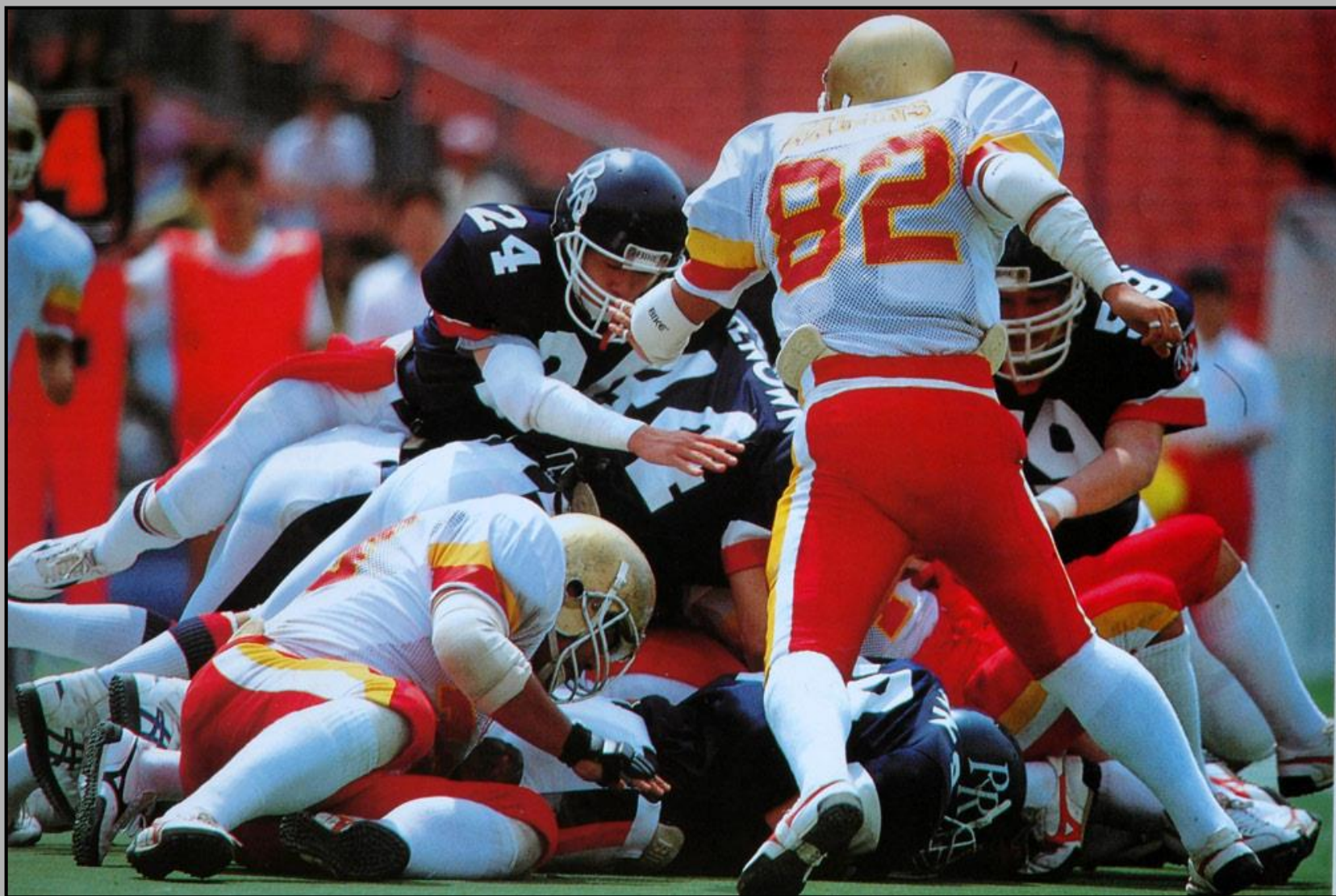
DÜŞÜK ENSTANTANE KULLANIMI



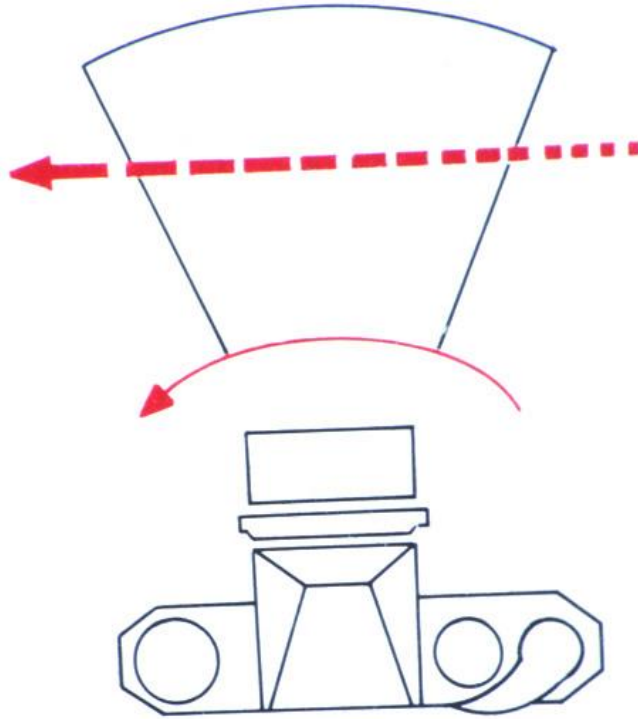






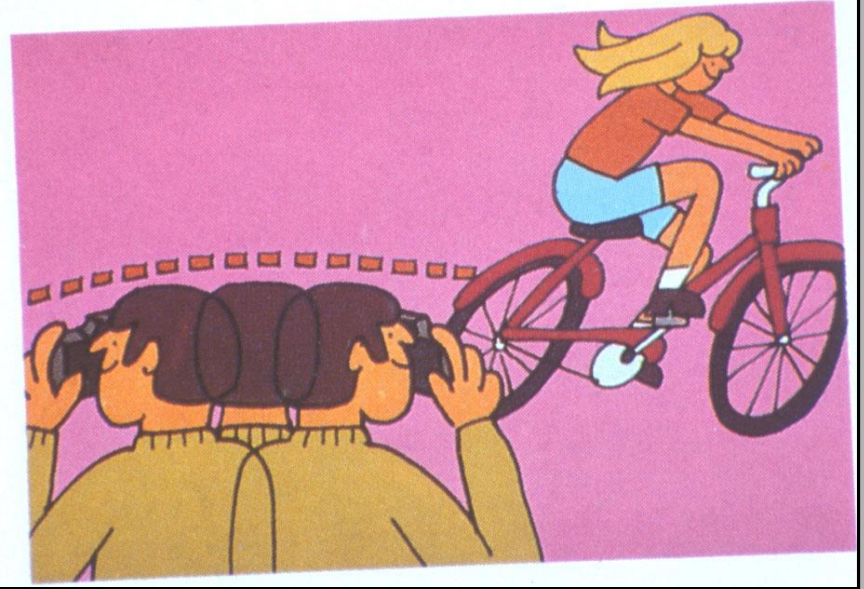






Pan Fotoğraf Tekniđi

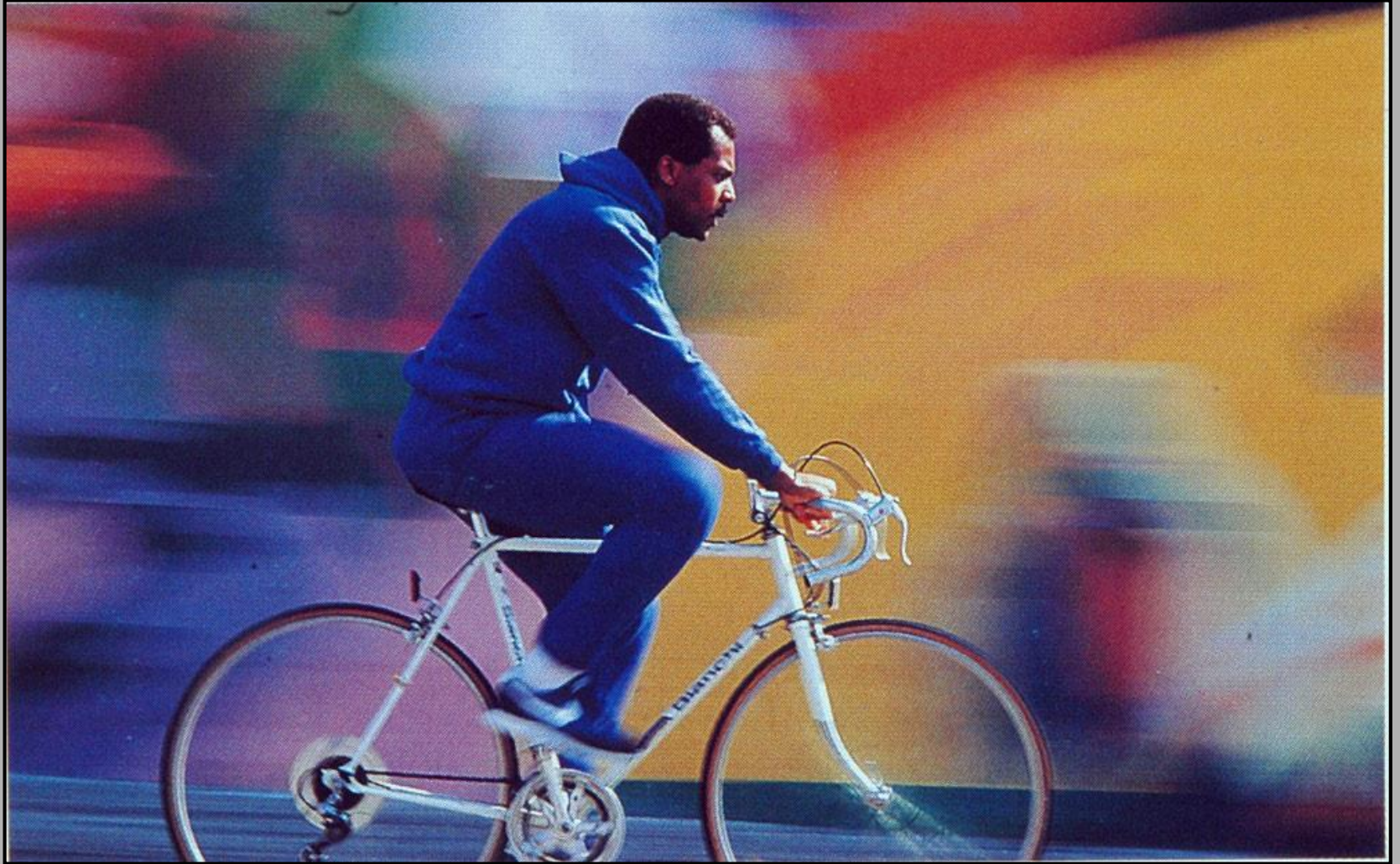
Objektifi önceden nesnenin geçmesini beklediđiniz bir noktaya netleyiniz. Nesne yaklařırken makinayı nesnenin hareket yönünde düz bir yay çizerek çeviriniz. Deklanřöre hafifçe bastıktan sonra da izlemeye devam ediniz.



***** 1 / 15 ve altındaki deđerlerle ...**

***** Hareket eden objeyle aynı yönde ve aynı hızda ...**

PAN (ÇEVİRİNME)



PAN (ÇEVİRİNME)





1/1000 Sec.



1/2000 Sec.



1/15 Sec.

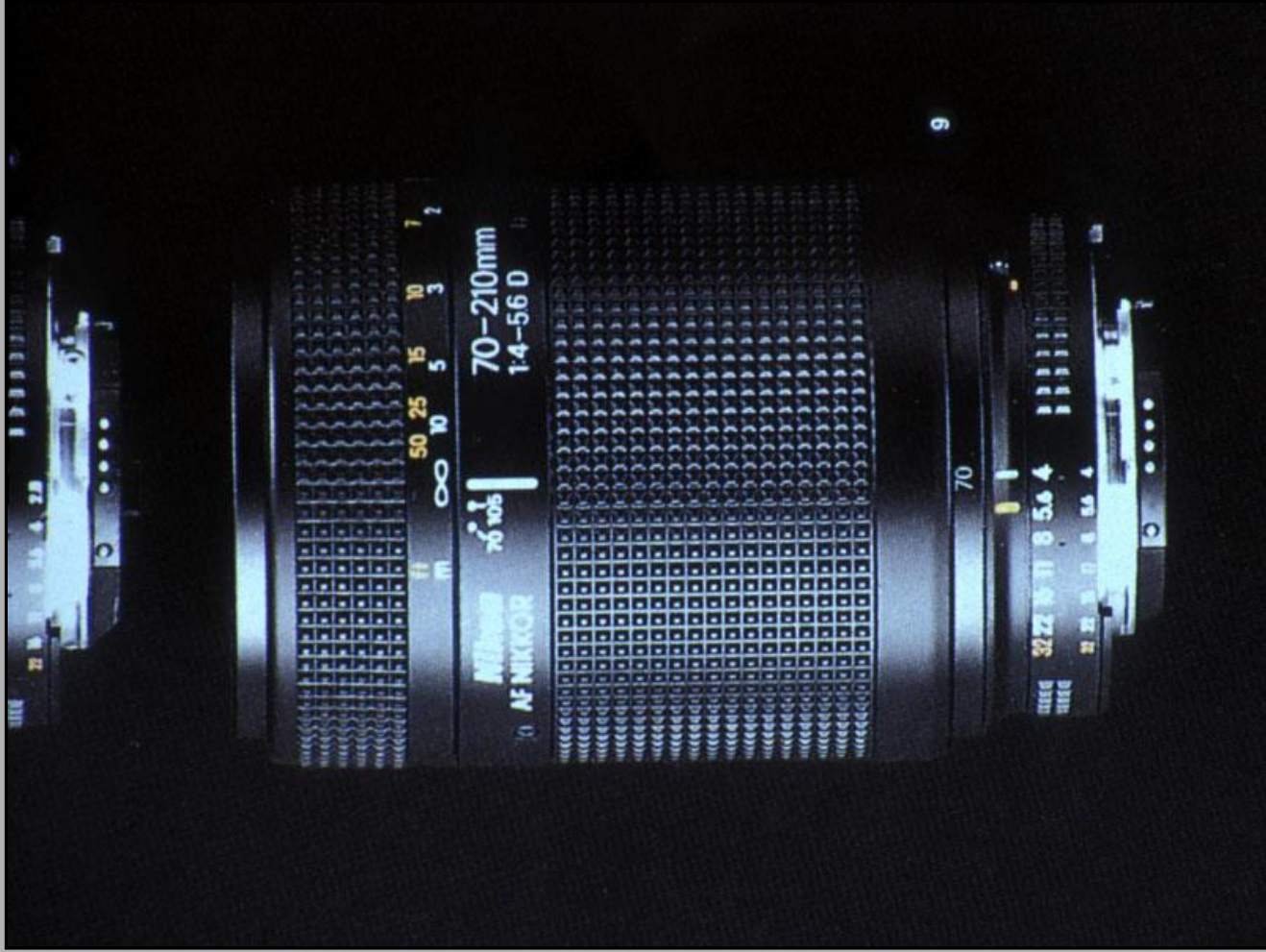
DİYAFRAM

İç içe açılıp kapanan yaprakçıklardan oluşan,
ışığın filme ulaşma
miktarını kontrol
eden mekanizma ...



Diyafomla göz bebeği arasındaki benzerlik yukardaki resimde belirgin olarak ortaya çıkmakta.

MANUEL MAKİNELERDE DİYAFRAM KONTROLÜ ?



AF MAKİNELERDE DİYAFRAM KONTROLÜ ?



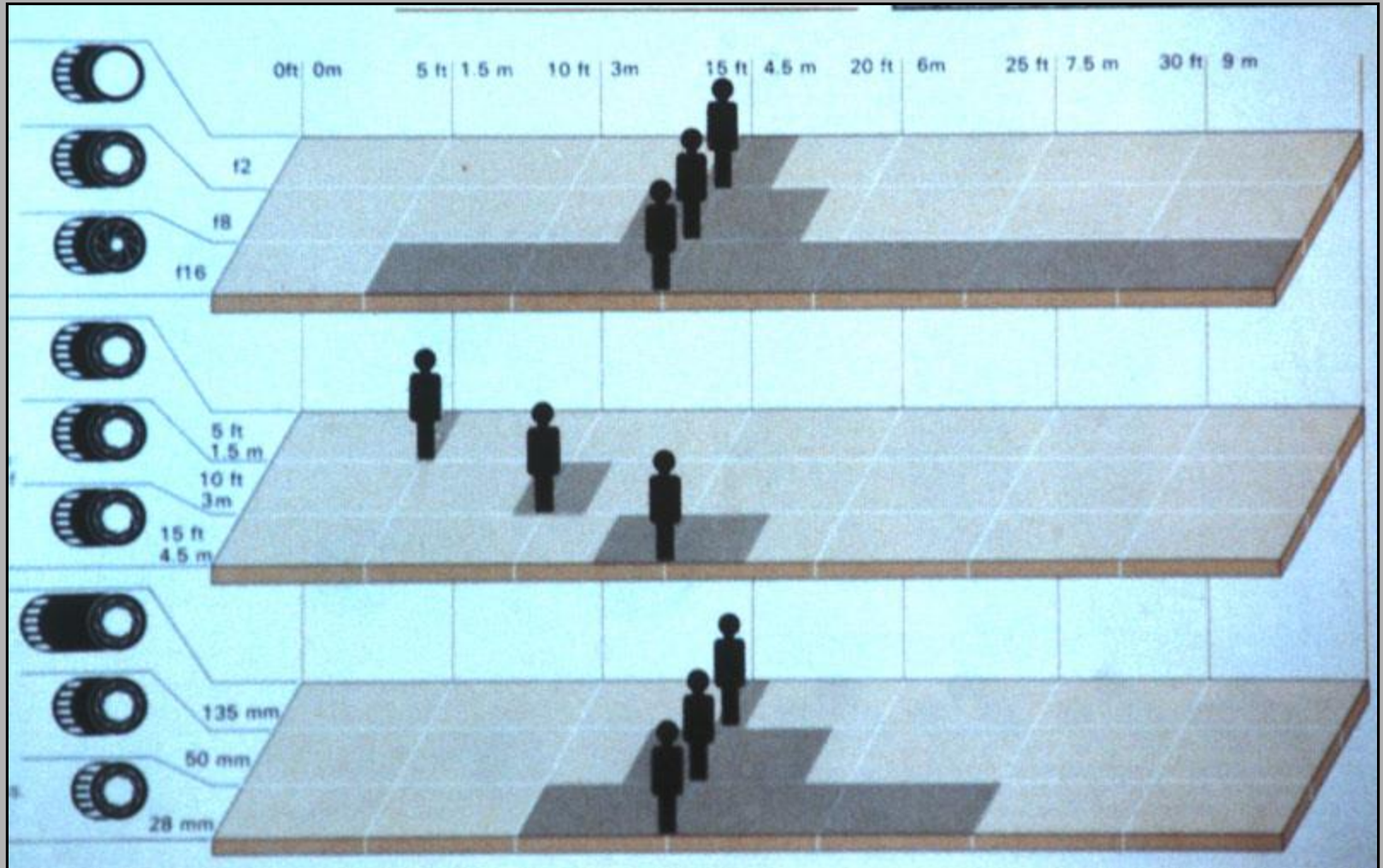
DİYA FRAM GÖRSEL ETKİSİ

Net Alan Derinliği

NET ALAN DERİNLİĞİ

**Diyafram
Objektif
Uzaklık**

DİYAFRAM GÖRSEL ETKİSİ ...



NET ALAN DERİNLİĞİ

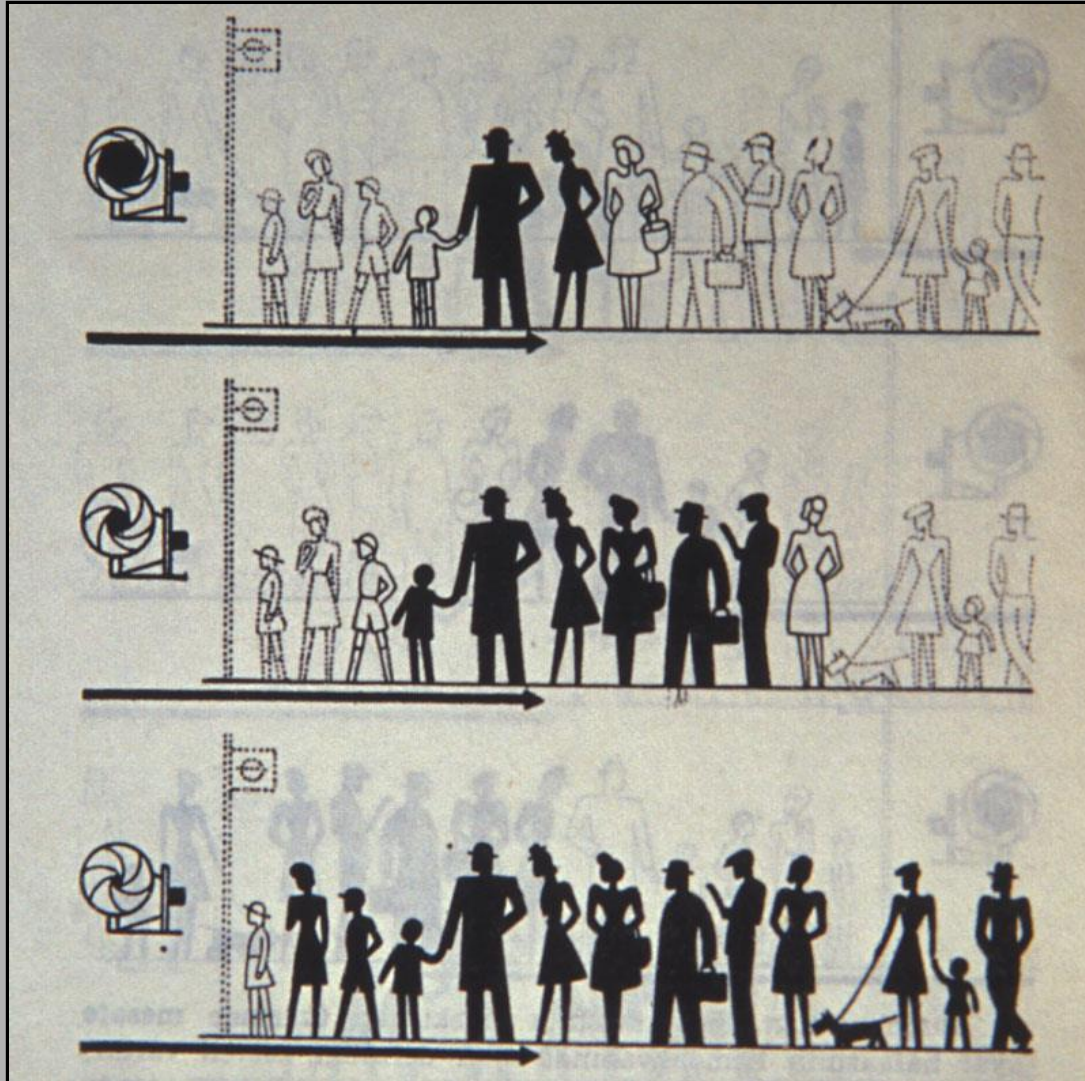
Kısık Diyafram

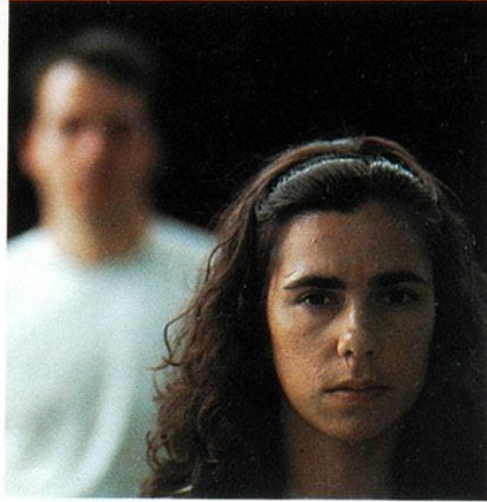
(11, 16, 22 ...)

Açık Diyafram

(5.6, 4, 2.8 ...)

DİYAFRAM GÖRSEL ETKİSİ ...



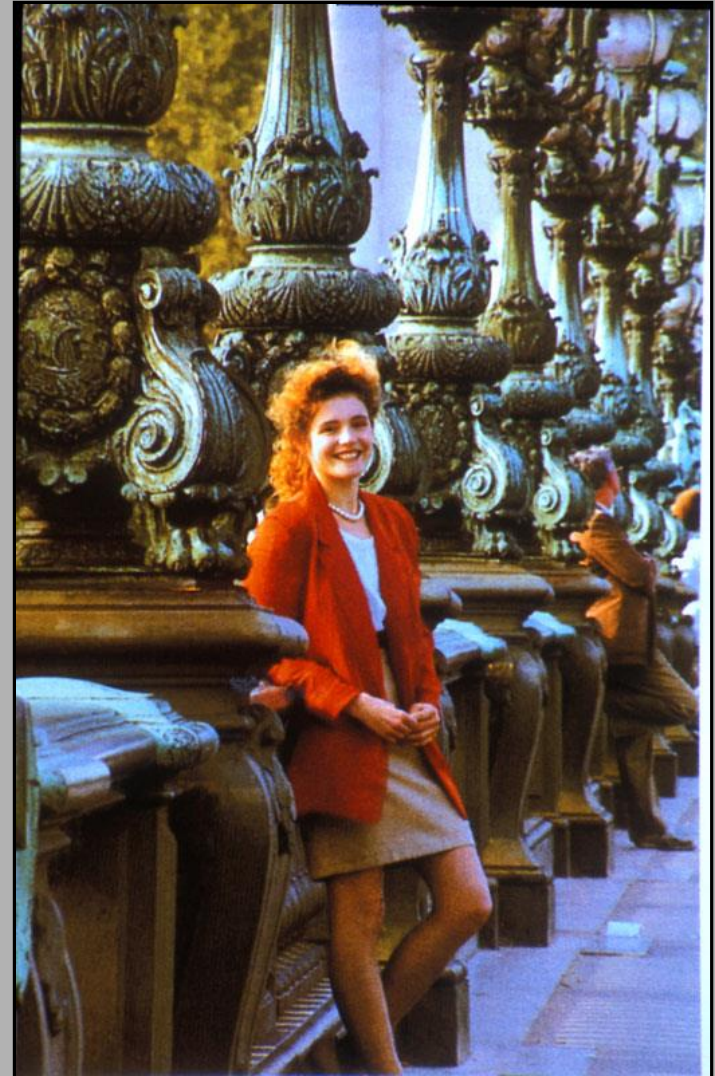


Exposure: 1/60 second at f2



Exposure: 1 second at f16

NET ALAN DERİNLİĞİ



NET ALAN DERİNLİĞİ

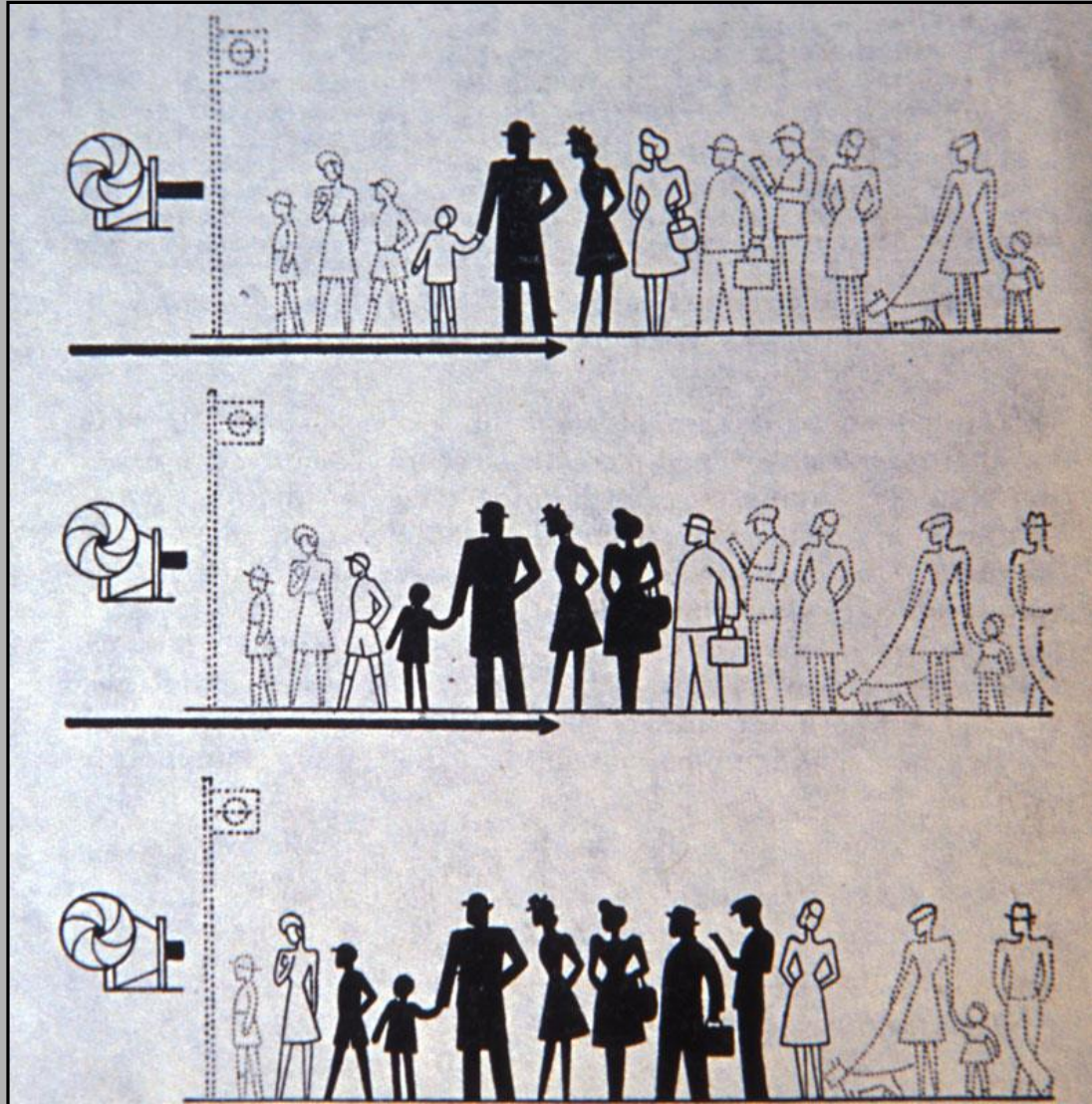
Geniş Açı Objektif

(35 mm, 28 mm, 24 mm ...)

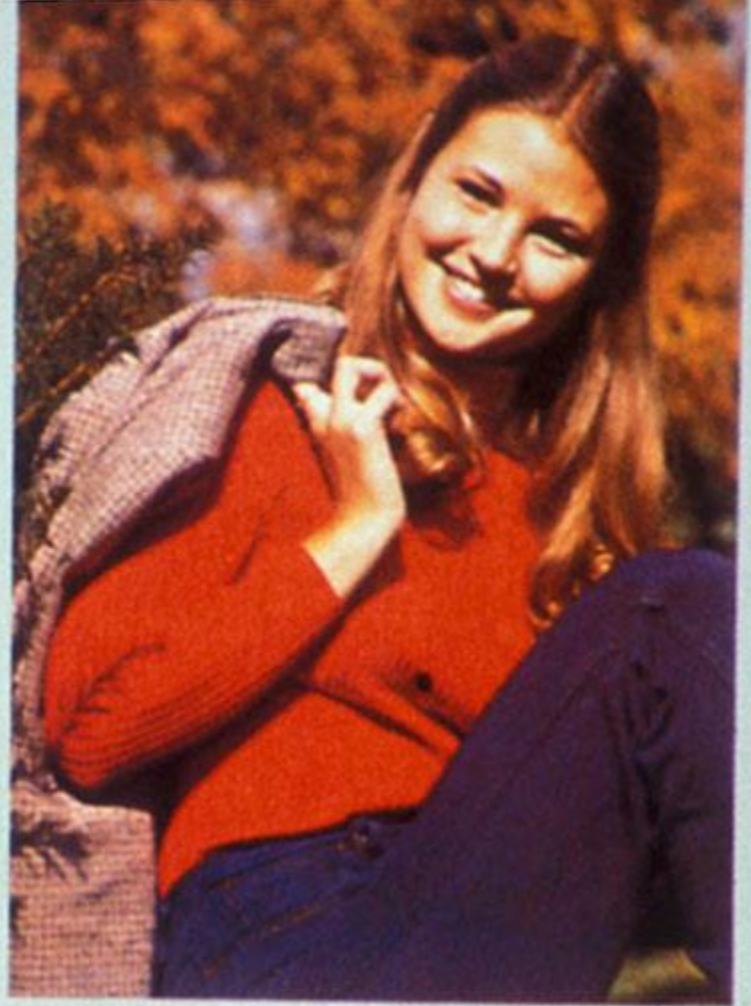
Tele Objektif

(80 mm, 105 mm, 200 mm ...)

DİYAFRAM GÖRSEL ETKİSİ ...



NET ALAN DERİNLİĞİ



200 mm



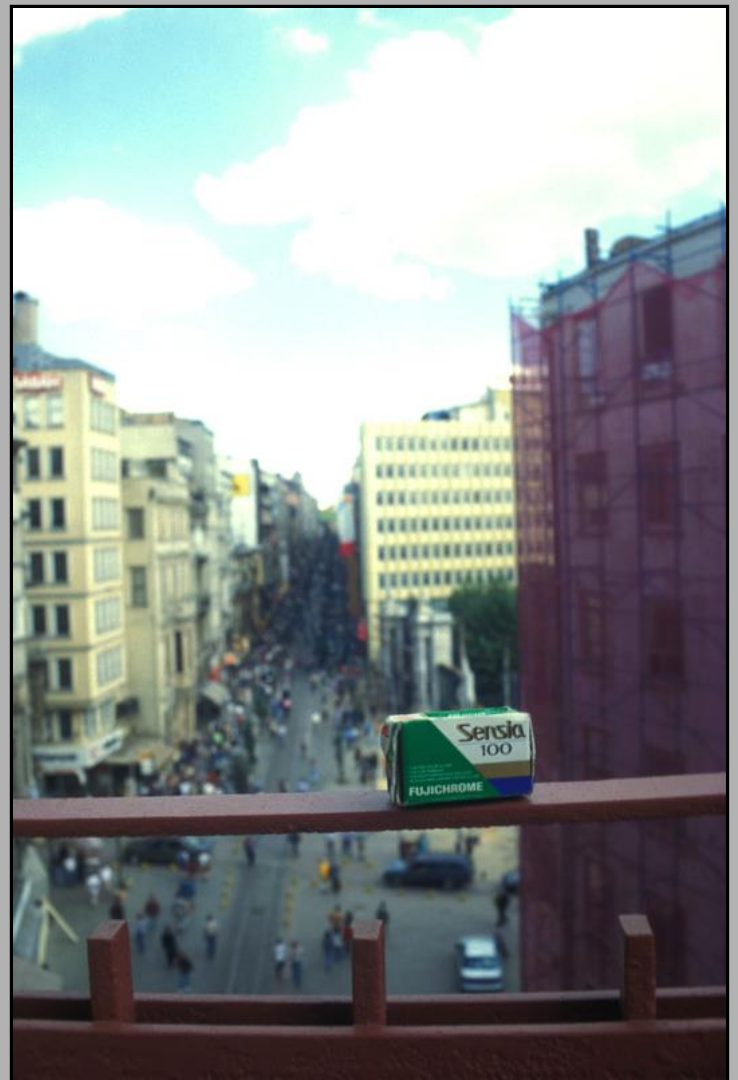
105 mm



50 mm



28 mm

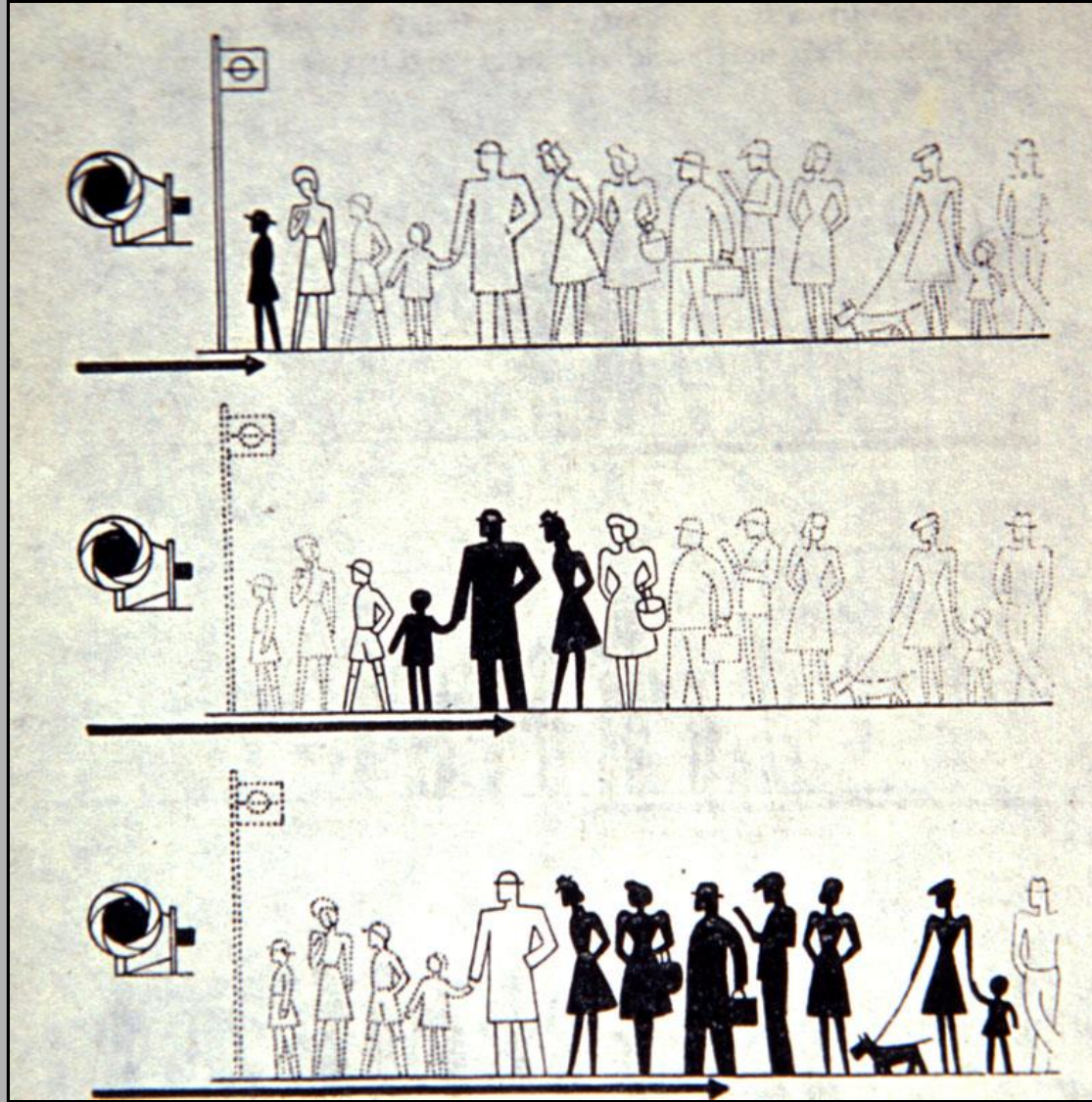


NET ALAN DERİNLİĞİ

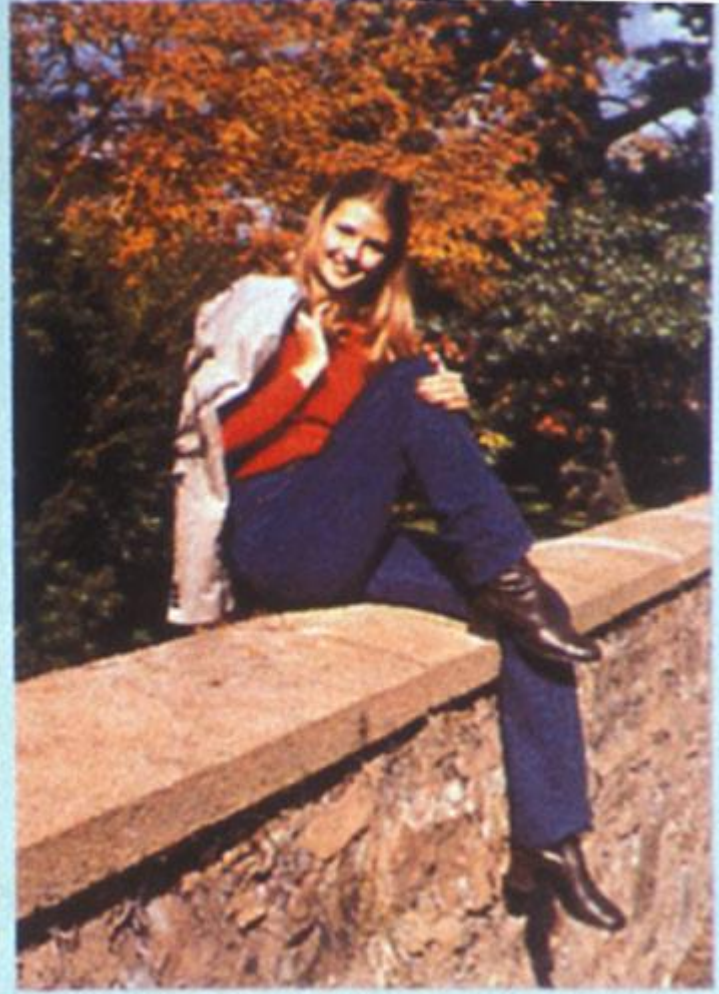
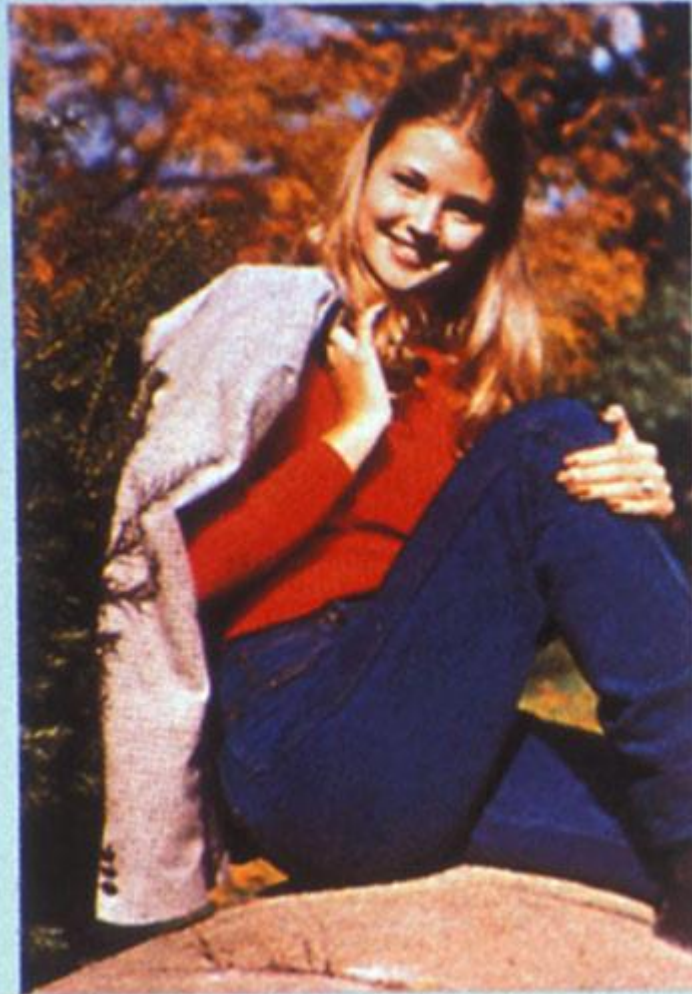
- * Yakın ve Uzak Çekim**

- * Konu içerisinde netlik yapılan noktayı değiştirmek**

NET ALAN DERİNLİĞİ

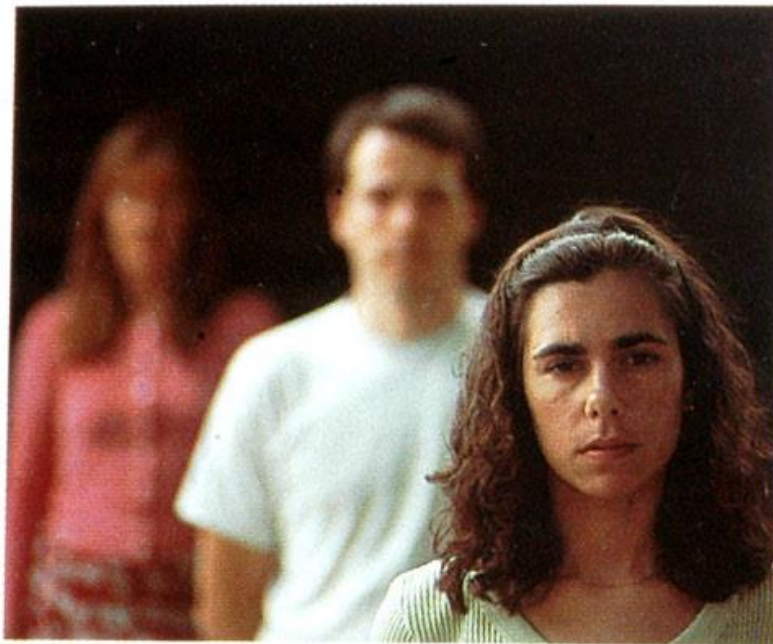


NET ALAN DERİNLİĞİ

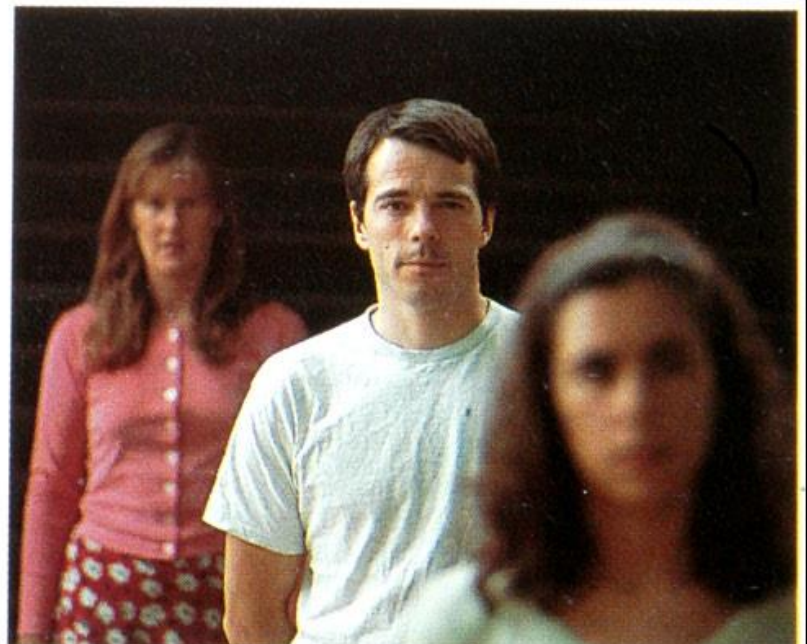


NET ALAN DERİNLİĞİ

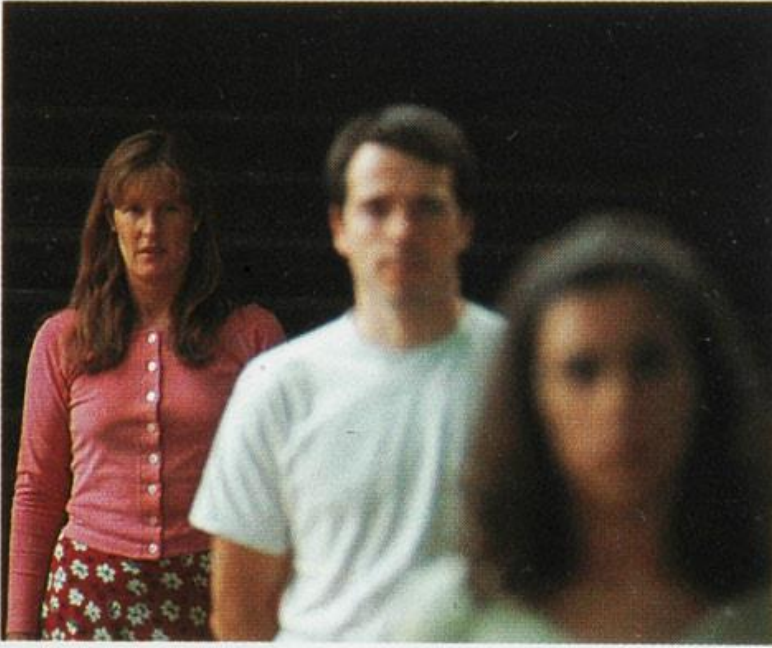




Netlik önde ...



Netlik ortada ...



**Netlik arkada
+
Açık Diyafram**



**Netlik ortada
+
Kısık Diyafram**

MAKİNE ÜZERİNDE ENSTANTANE – DİYAFRAM KONTROLÜ

M (Manuel)

A / Av

(Diyaffram Öncelikli)

S / Tv

(Enstantane Öncelikli)

P (Program)

Auto (Otomatik)

