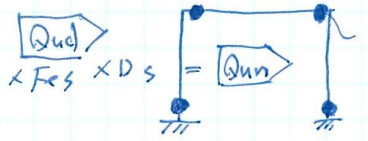


保有水平耐力-1

必要保有水平耐力

$$Q_{un} = D_s \cdot F_{es} \cdot Q_{ud}$$

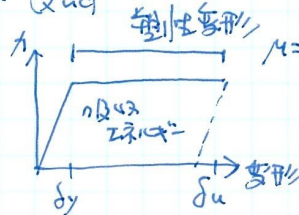


$$Q_{ud} = Z \cdot R_t \cdot A_i \cdot C_a \cdot W_i$$

$C_a = 1.0$

大地震  
塑性

地震工率<sup>2</sup>  
Z0B42  
① → Ds ①  
↓  
Qun ①



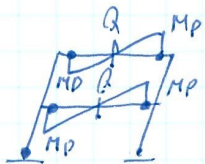
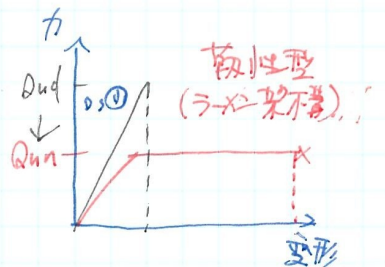
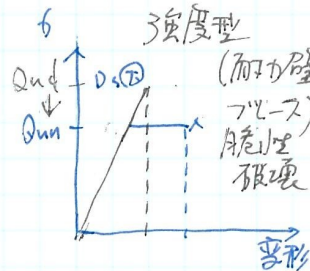
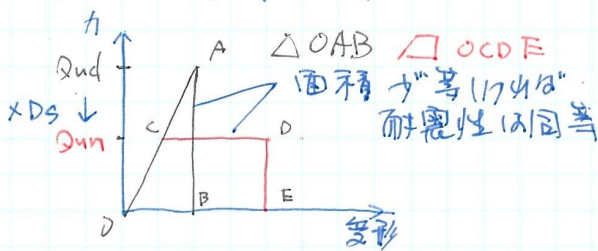
$$\mu = \frac{\delta_u}{\delta_y} : \text{塑性率} \textcircled{A}$$

→ 塑性变形能力 ②  
→ 靱性 ②

→ 地震工率<sup>2</sup>-吸収 ②

Ds: 減衰及び靱性を考慮して定める数値 ≡  $\frac{1}{\mu}$   
(係数)  
(階毎に算出)

地震時の工率<sup>2</sup>-吸収



生じる耐力

脆性破壊: せん断破壊, 付着剥離破壊 FD

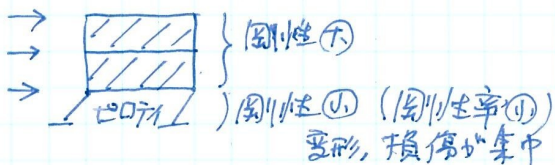
全体崩壊形

保有水平耐力に耐える耐力壁の水平耐力の和の比率:  $\beta_u$

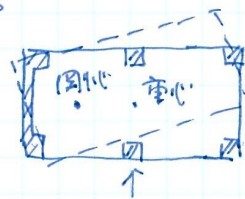
$$\beta_u = \frac{\text{耐力壁の水平耐力の和}}{\text{保有水平耐力}} \textcircled{A} \rightarrow \text{耐力壁} \rightarrow \text{強度型} \rightarrow D_s \textcircled{A}$$

Fes: 剛性率, 偏心率に応じて定める方法<sup>2</sup>算出 (下数値 (階毎に算出))  
(割増係数)

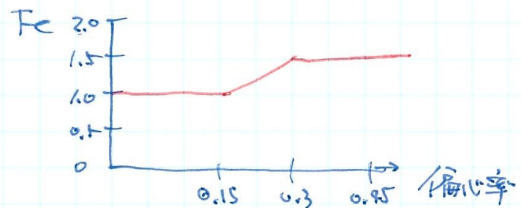
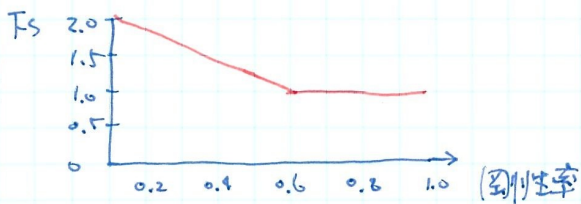
$$F_{es} = F_e \times F_s$$



剛性 ② (剛性率 ①)  
変形, 損傷が集中



偏心率 ②  
ゆがみ揺動



Rc造 DS > S造 DS

DSは大抵設定値の安全側の設定となる  
建物に2.2は