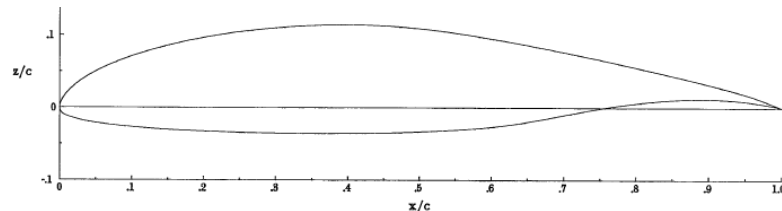
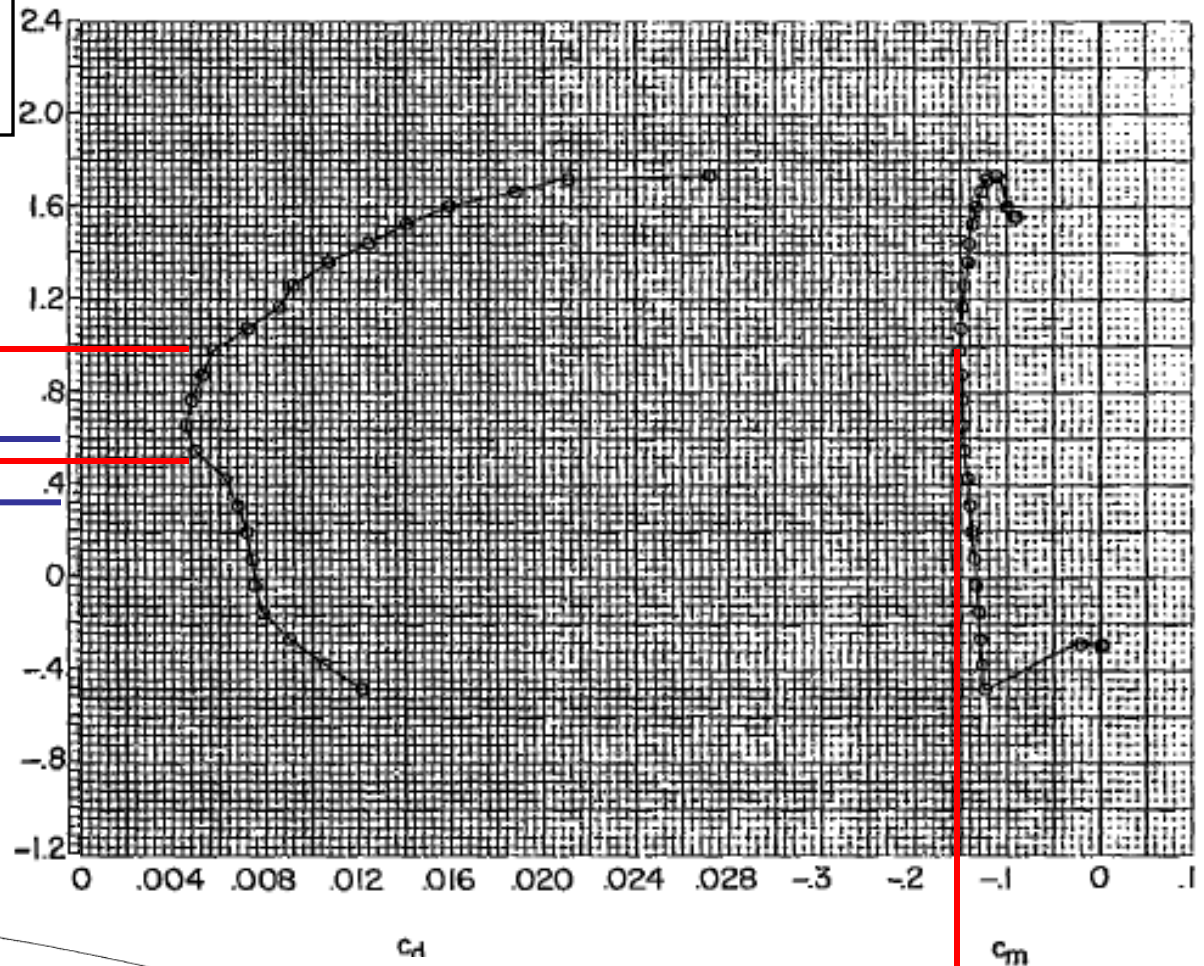


# Airfoil Selection – NLF(1) 0215F

Mismatch of Drag  
Bucket in Cruise

Drag Bucket

$C_l$  in cruise  
condition: .37 - .61



(a)  $\delta_F = 0^\circ$ .

Figure 2.- NLF(1)-0215F airfoil shape.

(b)  $R = 6.0 \times 10^6$ .

Figure 10.- Continued.

-0.15

# Airfoil Selection – NLF(1) 0215F

Negative Flap setting  
relocates drag bucket &  
reduced pitching  
moment

Drag Bucket

$C_l$  in cruise  
condition: .37 - .61

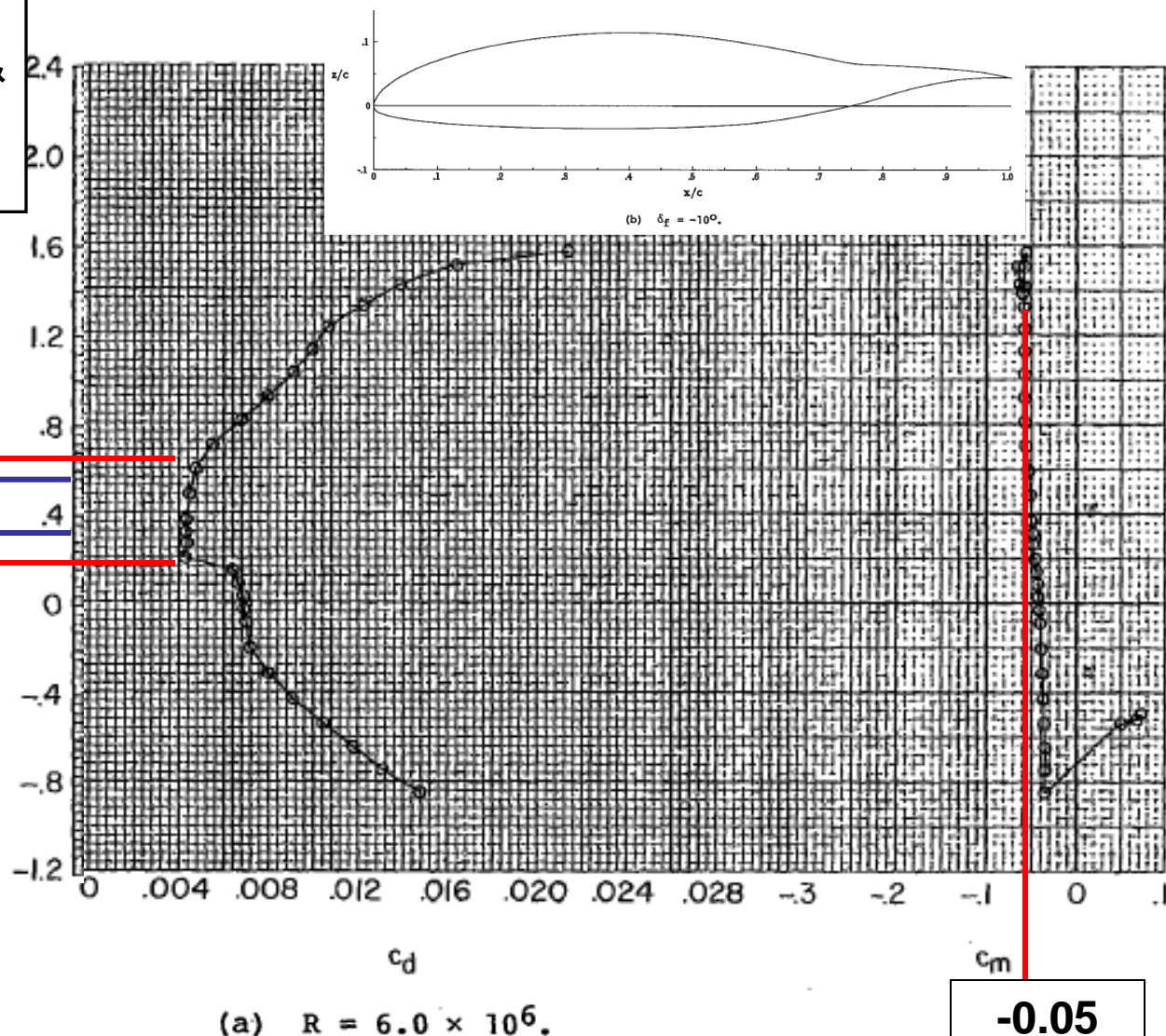


Figure 12.- Section characteristics with  $\delta_f = -10^\circ$  at  $M = 0.10$ .