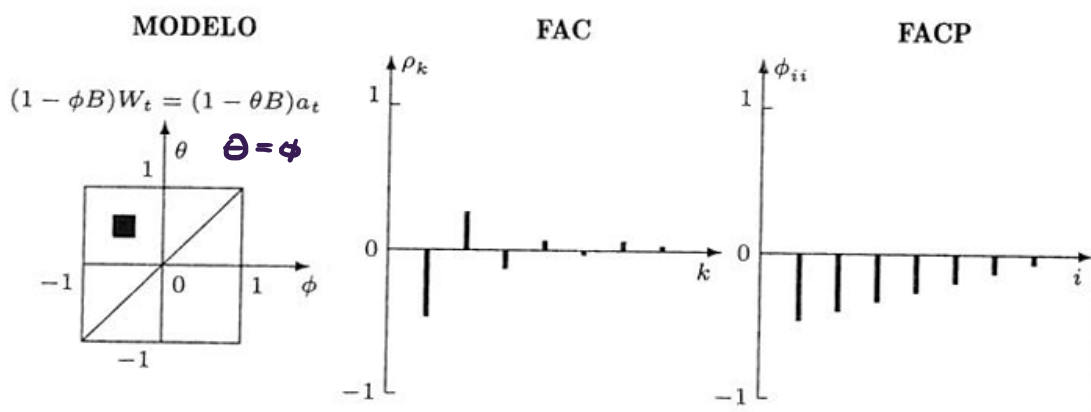


CONSIDERE UN PROCESO ARMA(1,1)

$$(1 - \phi B)W_t = (1 - \theta B)a_t \quad ; \quad a_t \sim \text{WN}(0, \sigma_a^2)$$

A PARTIR DE LAS CONDICIONES PARA ESTACIONARIEDAD E INVERTIBILIDAD :  $|\phi| < 1$  Y  $|\theta| < 1$  , SE TIENEN LAS SIGUIENTES REGIONES ADMISIBLES.

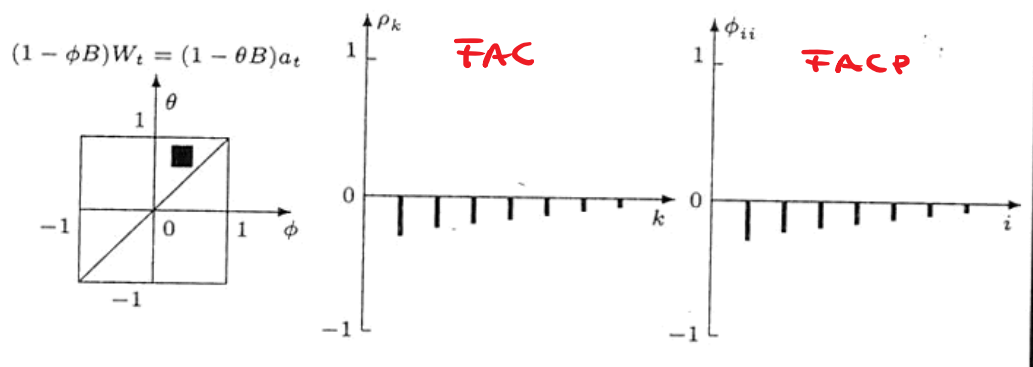
REGIÓN ADMISIBLE 1 :  $-1 < \phi < 0$  Y  $0 < \theta < 1$



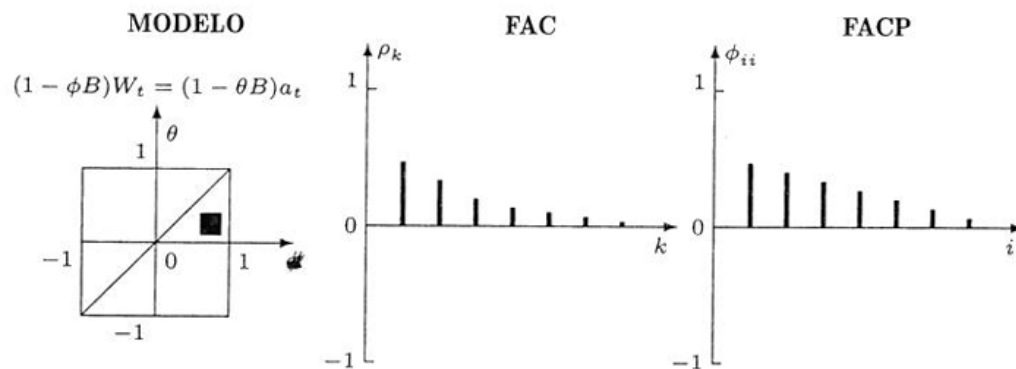
FAC TEORICA

$$\rho_k = \frac{\phi^{k-1}(1 - \phi\theta)(\phi - \theta)}{1 - 2\phi\theta + \theta^2}, \quad k = 1, 2, \dots$$

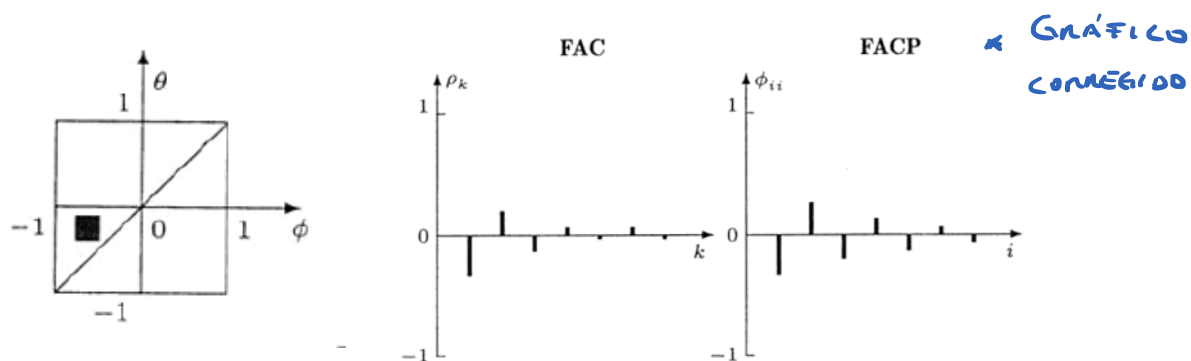
REGIÓN ADMISIBLE 2 :  $0 < \phi < 1$  ;  $0 < \theta < 1$  ;  $\theta > \phi$



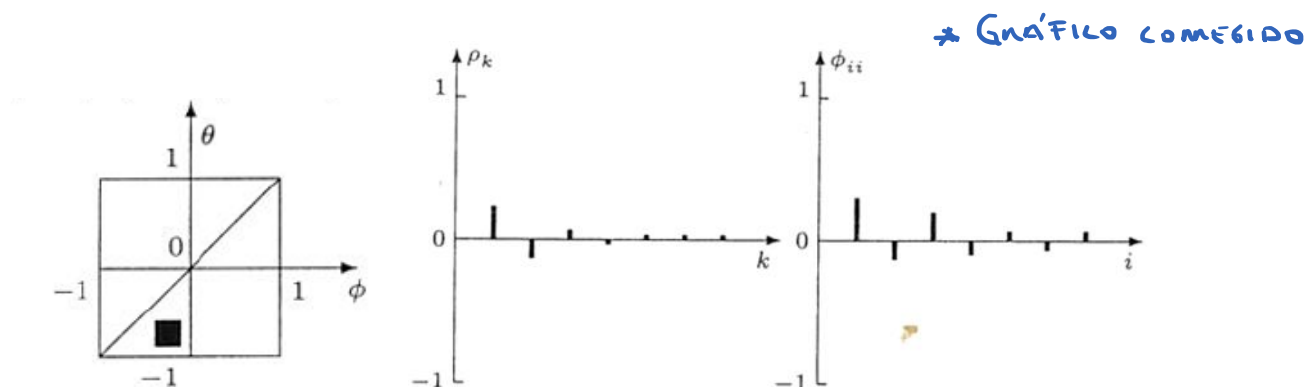
REGIÓN ADMISIBLE 3 :  $0 < \phi < 1$  ;  $0 < \theta < 1$  ;  $\theta < \phi$



REGIÃO ADMISSÍVEL 4:  $-1 < \phi < 0$  ;  $-1 < \theta < 0$  ;  $\theta > \phi$



REGIÃO ADMISSÍVEL 5:  $-1 < \phi < 0$  ;  $-1 < \theta < 0$  ;  $\theta < \phi$



REGIÃO ADMISSÍVEL 6:  $0 < \phi < 1$  ;  $-1 < \theta < 0$

**FAC**

**FACP**

