Soluzioni degli esercizi del cap. 4

Esercizio 1

a)

$\alpha_0 = 2$	$\sigma_0 = 0.825$
$\alpha_1 = 3.08747$	$\sigma_1 = -4.90965$
$\alpha_2 = 9.78673$	$\sigma_2 = -9.65117$
$\alpha_3 = 10.1208$	$\sigma_3 = -11.1752$
$\alpha_4 = 11.2167$	$\sigma_4 = -11.007$

b)

$\alpha_0 = 2$	$\sigma_0 = -0.02657$	$\beta_0 = -37.639$
$\alpha_1 = 0.64829$	$\sigma_1 = -0.946328$	$\beta_1 = -1.05672$
$\alpha_2 = 1.06919$	$\sigma_2 = -1.13656$	$\beta_2 = -0.879846$
$\alpha_3 = 1.16177$	$\sigma_3 = -1.10929$	$\beta_3 = -0.90147$
$\alpha_4 = 1.11087$	$\sigma_4 = -1.09921$	$\beta_4 = -0.909742$

c)

$\lambda_1 = -11.0622$ $\lambda_2 = 3.01417$ $\lambda_3 = -1.29539$ $\lambda_4 = -0.9566$

Esercizio 2

$\lambda_1 = 4.23376$ $\lambda_2 = 3.49518$ $\lambda_3 = -0.344654 + 1.6341i$
$\lambda_4 = -0.344654 - 1.6341i$ $\lambda_5 = 0.460361$

Esercizio 3

$\alpha_0 = 2$	$\sigma_0 = -1.725$
$\alpha_1 = 4.62952$	$\sigma_1 = -8.53407$
$\alpha_2 = 10.4269$	$\sigma_2 = -9.41202$
$\alpha_3 = 9.77751$	$\sigma_3 = -10.8912$
$\alpha_4 = 10.9103$	$\sigma_4 = -10.8443$

$\alpha_0 = 2$	$\sigma_0 = 1.1071$	$\beta_0 = 0.903264$
$\alpha_1 = 1.70221$	$\sigma_1 = -3.4271$	$\beta_1 = -0.291792$
$\alpha_2 = 3.46132$	$\sigma_2 = -3.72611$	$\beta_2 = -0.268376$
$\alpha_3 = 3.72639$	$\sigma_3 = -3.66841$	$\beta_3 = -0.2725598$
$\alpha_4 = 3.66841$	$\sigma_4 = -3.67133$	$\beta_4 = -0.272381$