

Metodos Numéricos II

* Gauss - Hermite

$$x_1 = 1.65068$$

$$x_2 = 0.52464$$

$$x_3 = -0.52464$$

$$x_4 = -1.65068$$

$$w_1 = w_4 = 0.08131$$

$$w_2 = w_3 = 0.80492$$

* Gauss - Legendre

$$x_1 = 0.32254$$

$$x_2 = 1.74576$$

$$x_3 = 4.53662$$

$$x_4 = 9.39507$$

$$w_1 = 0.60328$$

$$w_2 = 0.35742$$

$$w_3 = 0.03888$$

$$w_4 = 0.00053$$

* Gauss - Chebyshev

$$x_1 = 0.92387$$

$$x_2 = 0.38268$$

$$x_3 = -0.38268$$

$$x_4 = -0.92387$$

$$w_1 = w_2 = w_3 = w_4 = \frac{\pi}{4}$$