

$\frac{1}{n}$

n	h	μ_n	$y(1) - \mu_n$	$(y(1) - \mu_n)/h$
1	0.1	1.2	4.237	12
2	0.1	1.44	3.997	14.4

$$\mu_1 = \mu_0 + h2\mu_0 \quad (h=0.1)$$

$$\mu_1 = 1 + 2h \quad \dots \mu_1 = 1 + 2(0.1)$$

$$\mu_2 = \mu_1 + h2\mu_1 = 1 + 0.2$$

$$= (1 + 2h) + 2h(1 + 2h)$$

$$= (1 + 2h)^2 \quad \dots \mu_2 = (1.2)^2 = 1.44$$

$$\longrightarrow \mu_n = (1 + 2h)^n$$

$$y(1) - \mu_1 = 2e - 1.2 = \alpha \approx 4.237$$

$$y(1) - \mu_2 = 2e - 1.44 = \beta \approx 3.997$$

$$\frac{\alpha}{h} = \frac{1.2}{0.1} = 12$$

$$\frac{\beta}{h} = \frac{1.44}{0.1} = 14.4$$

$$n = \frac{t_n - t_0}{h} = \frac{1 - 0}{0.1} = 10 \dots$$