

$\frac{1}{b}$	n	h	μ_n	$y(1) - \mu_n$	$(y(1) - \mu_n)/h$
1	1	0.1	1.160	≈ 4.277	42.77
2	2	0.1	1.346	≈ 4.091	40.91
	1	0.05			
	2	0.05			
	1	0.001			
	2	0.001			

$$y_0 = 1, \mu_0 = y_0 = 1$$

$$h = 0.1$$

$$\mu_{n+1} = \mu_n (1 + h + \frac{h^2}{2} + h^3)$$

$$\mu_0 = 1$$

$$\mu_1 = \mu_0 (1 + 0.1 + \frac{0.1}{2} + 0.1^2) = 1.160 \checkmark$$

$$\mu_2 = \mu_1 (1 + 0.1 + \dots) = 1.346$$

$$y(1) = 2e \approx 5.437 \dots$$

$$y(1) - \mu_1 = 2e - 1.160 \approx 4.277$$

$$y(1) - \mu_2 = 2e - 1.346 \approx 4.091 = \beta$$

$$\frac{\alpha}{h} = \frac{4.277}{0.1} = 42.77$$

$$\frac{\beta}{h} = \frac{4.091}{0.1} = 40.91$$

LESS
APPARENT
ERROR

MORE
A. E.



SOUND
FREQUENCY

LESS
MARKER
EXT. IN
(A.E.)

MORE
A. E.

MARKER
WIDTH