

n	h	$\mu_n$	$y(1) - \mu_n = \alpha$	$\alpha/h$
1	0.10	29.190	-23.75	$-23.75 \times 10^5$
2	0.10	35.43	-29.99	$-29.99 \times 10^5$
1	0.05	1.105	4.332	$6.931 \times 10^5$
2	0.05	1.219	4.218	$6.748 \times 10^5$

DUT THE  
VALUES ARE  
HERE

$$f(y) = 2y$$

\* ACCIDENTALLY ERASED WORK  
FOR  $h = 0.10$

$$(h = 0.05)$$

$$\mu_2 = \mu_1 + \frac{h}{6}(h_1 + 2h_2 + 2h_3 + h_4)$$

$$= 1.105 + \frac{0.05}{6}(2.21 + 2 \cdot 2.321 + \dots$$

$$\dots + 2 \cdot 2.326 + \dots$$

$$\dots + 2.210)$$

$$\mu_2 = 1.219$$

$$y(1) - \mu_1 = 2e^{-1.105}$$

$$= 4.332 = \alpha'$$

$$y(1) - \mu_2 = 2e^{-1.219}$$

$$= 4.218 = \beta$$

$$\frac{\alpha'}{h^4} = \frac{4.332}{0.05^4} = 6.931 \times 10^5$$

$$\frac{\beta}{h^4} = \frac{4.218}{0.05^4} = 6.748 \times 10^5$$