

# Á| 1 ÁÖ °-ÀÇ³»¿ë (1998³â 3¿ù 2ÄÏ 08:00- 10:50)

## 1. ¼Ä°£¼³, í

- ¿À´Ã ÀÒÇÐ¼Ä°ü°è 80°Ð - > 60°Ð
- 08:00- 09:10 (70°Ð)
- 10:40- 10:50 (10°Ð)

## 2. 60°Ð

- 1) ±³¼°¼°³ (5°Ð)
- 2) ÇÐ»ý¼°³ (30ÄÊ, 25, í, 13°Ð)
- 3) °ú, ñ¼³, í (10°Ð) - > ¼ÇÐÀÇ Áß¿ä¼° °-Á¶ 1× µ¿±â°Ï¿

- (1) ±³Ä° ñÇ¥
- (2) ±³Ä°³»¿ë
- (3) ±â´ëË¿°ú
- (4) Æ°°; 1æ¹ý
- (5) ¿Ï¿µ°èË¹

¿ø¼: Calculus (5/E)  
 ÀúÀÚ: Howard Anton  
 ÄâÆ¿ç: John Wiley & Sons, INC

- ÀÏ·Ð°-ÀÇ
- °»¹°ú ¿¹Á|Ç®ÀÏ Áß¼Ë
- ®Æ·Æ°Ä °; ´ÉÇÑÇÑ ÀÚÁ|Ää·Ï ÇÏ°í, °³ÀÏÀÏ Ç® ¼° ÀÖµµ·Ï.
- ¿ÁÖ 1Ë, ÄúÁÏ ¼Ç¼Ä (20°ÐÁµµ, 3- 5¹®Á|)
- ¼Ç¼Ä¿Ï¿µ (¹ÚÁ³Äø±³¼°)
- °ç ¼ÖÀý, ¶´Ù ¹®Á|°; ÀÖ´Äµ¥, ¿µÏ Ç®³â ÁÙ ¼°´Ä ¾°°í,
- ÇÐ»ý¹®Á|Ç®ÀÏ 1× ¼³, í (40°Ð)
- ±³¼°¹®Á|Ç®ÀÏ 1× ¼³, í (40°Ð)
- ÁúÀÇ¼Ä°£ (20°Ð)

## 4) Áøµµ (27°Ð)

- ¿øÄç
- (1) worming up ¼Ä°£ÀÏ ÇË¿ä
- (2) Áú¹®À» ¿¹ÀÏ ÇÒ °ÍÀÓ.
- (3) ¼Ä°£¾Ë¹è´Ä ³»°; ¾Ë¾Ë¼ ÇÒ °ÍÀÓ.
- ´ÙÀ¼ÄÖ°ÏÁÏ 2ÁÖÁµµ´Ä 50°Ð ¼°¾°, 10°Ð ÈÐ¼Ä
- 08:00- 08:50, 09:00- 09:50, 10:00- 10:50
- ÄÖÁ¾ÄúÀ, ·Ï´Ä 70°Ð, 80°Ð
- 08:00- 09:10, 09:20- 10:40

## 5) Áµ, ® (5°Ð)

$\hat{Y}\hat{C}\hat{Y}: \frac{1}{\circ}\hat{A}\hat{C} \hat{A} \frac{1}{4} \hat{e}; \hat{I} \hat{A} \hat{y} \hat{e} \hat{A}; \hat{A}\hat{C}\hat{Y}; \hat{I} \pm \times \cdot ; \hat{C}\hat{A}, \hat{A} \div \frac{1}{\pm} \hat{u} \hat{A} \hat{C},$   
 $\hat{C} \hat{O} \hat{1} \times \hat{A} \hat{I} \hat{A} \div \hat{1} \hat{A} \hat{A} \hat{C} \hat{A} \hat{I} \hat{C} \hat{O}$

$\hat{A}\hat{C}\hat{Y}, \hat{A} \hat{I} \hat{e} \hat{I} \hat{A}\hat{U}$

1.  $\frac{1}{\circ}\hat{A}\hat{C} \hat{A} \frac{1}{4} \hat{e}$

$\langle \hat{A} \pm \hat{A} \hat{C} \hat{Y} \times \rangle$	
$\sqrt{2}$	$= 1.414213.....$
$\sqrt{3}$	$= 1.732050.....$
$\rho$	$= 3.141592.....$
$\sin 10; \hat{E}$	$= 0.1736.....$

$\hat{A}\hat{U}; \hat{A} \hat{C}\hat{Y}, \hat{A} \hat{I} \hat{e}, \hat{A} \hat{I} \hat{e}, \hat{A} \hat{I} \hat{e}, \hat{A} \hat{I} \hat{e}, \hat{A} \hat{I} \hat{e}$

$\hat{A}\hat{U}; \hat{A} \hat{C}\hat{Y} = \hat{A} \hat{C}\hat{Y} \hat{A} \hat{C}\hat{Y}: 1, 2, 3, 4, 5, \dots$

$\hat{A} \hat{C}\hat{Y}: \hat{A} \hat{C}\hat{Y} \hat{A} \hat{C}\hat{Y} + 0 + \hat{A} \hat{C}\hat{Y} \hat{A} \hat{C}\hat{Y}$

$\hat{A} \hat{I} \hat{e}: \hat{A} \hat{I} \hat{e} a, b (b; \hat{A} \hat{O}), \hat{A} \hat{I} \hat{e} a/b \hat{A} \hat{C} \hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e}$

-  $\hat{A} \hat{C}\hat{Y} \hat{A} \hat{I} \hat{e}: 1/2, 0.75, \dots$

-  $\hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e} (\hat{A} \hat{I} \hat{e} \hat{C}\hat{Y} \hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e} \hat{C}\hat{Y} \hat{A} \hat{I} \hat{e}): 1/3, 2/3, \dots$

$\hat{A} \hat{I} \hat{e}: \hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e}$

-  $\hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e} (\sqrt{2}, \sqrt{3})$

-  $\hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e} 1.4142135.....$

-  $\hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e}, \hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e}$

$\hat{A} \hat{C}\hat{Y} = \hat{A} \hat{I} \hat{e} + \hat{A} \hat{I} \hat{e}$

$\hat{A} \hat{C}\hat{Y} \hat{A} \hat{C}\hat{Y} \hat{A} \hat{I} \hat{e} \hat{A} \hat{C}\hat{Y}, \hat{A} \hat{I} \hat{e} \hat{A} \hat{C}\hat{Y} \hat{A} \hat{I} \hat{e} \hat{A} \hat{C}\hat{Y}, \hat{A} \hat{I} \hat{e} \hat{A} \hat{C}\hat{Y} \hat{A} \hat{I} \hat{e} \hat{A} \hat{C}\hat{Y} \hat{A} \hat{I} \hat{e}$

-  $\hat{A} \hat{C}\hat{Y} \hat{A} \hat{C}\hat{Y} \hat{A} \hat{I} \hat{e} \hat{A} \hat{C}\hat{Y} \hat{A} \hat{I} \hat{e} \hat{A} \hat{C}\hat{Y} \hat{A} \hat{I} \hat{e} \hat{A} \hat{C}\hat{Y} \hat{A} \hat{I} \hat{e}$

$$\hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e} x^2 = -1 \quad \hat{A} \hat{C}\hat{Y} \hat{A} \hat{C}\hat{Y} \hat{A} \hat{I} \hat{e} \hat{A} \hat{C}\hat{Y} \hat{A} \hat{I} \hat{e} \hat{A} \hat{C}\hat{Y} \hat{A} \hat{I} \hat{e} \hat{A} \hat{C}\hat{Y} \hat{A} \hat{I} \hat{e}$$

$\hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e}$

$\hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e} - 1 \hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e} \hat{A} \hat{I} \hat{e}$

$\hat{A} \hat{C}\hat{Y} \hat{A} \hat{C}\hat{Y} \hat{A} \hat{I} \hat{e} \hat{A} \hat{C}\hat{Y} \hat{A} \hat{I} \hat{e} \hat{A} \hat{C}\hat{Y} \hat{A} \hat{I} \hat{e} \hat{A} \hat{C}\hat{Y} \hat{A} \hat{I} \hat{e} \hat{A} \hat{C}\hat{Y} \hat{A} \hat{I} \hat{e}$

$\langle \hat{A} \hat{I} \hat{e} \hat{A} \hat{C}\hat{Y} \hat{A} \hat{I} \hat{e} \hat{A} \hat{C}\hat{Y} \hat{A} \hat{I} \hat{e} \rangle$

$a, b, \hat{A} \hat{C}\hat{Y} \hat{A} \hat{C}\hat{Y} \hat{A} \hat{I} \hat{e} \hat{A} \hat{C}\hat{Y} \hat{A} \hat{I} \hat{e} \hat{A} \hat{C}\hat{Y} \hat{A} \hat{I} \hat{e} \hat{A} \hat{C}\hat{Y} \hat{A} \hat{I} \hat{e} \hat{A} \hat{C}\hat{Y} \hat{A} \hat{I} \hat{e}$

$(a, \hat{A} \hat{C}\hat{Y} \hat{A} \hat{C}\hat{Y} \hat{A} \hat{I} \hat{e}, b, \hat{A} \hat{C}\hat{Y} \hat{A} \hat{C}\hat{Y} \hat{A} \hat{I} \hat{e} \hat{A} \hat{C}\hat{Y} \hat{A} \hat{I} \hat{e})$



4.  $\circ\hat{\Gamma}\hat{\mu}\hat{1}/\hat{\Delta}\hat{\lambda}\rangle \zeta^{\circ\circ}\hat{i} \pm\times, \circ\hat{\pm}\hat{a}$

$$3x - 2 < 8$$

5.  $\hat{e}\hat{1}/\hat{D}\hat{n}\hat{\pm}^3 - > \hat{A}\alpha, \circ\hat{\pm}$  1.1.1

6.  $\hat{A}\hat{y}\hat{\zeta}\hat{O}$

-  $\hat{1}/\hat{O}\hat{\zeta}\hat{N}\hat{1}/\hat{U}, \hat{1}/\hat{O}\hat{\zeta}\hat{i}\hat{A}\hat{o} \hat{3}/\hat{E}\hat{1}/\hat{A}\hat{1}/\hat{U}$

-  $\circ\hat{o}\hat{A}\hat{y}\hat{\zeta}\hat{O}$

-  $\circ\hat{I}\hat{o}\hat{D}\hat{A}\hat{y}\hat{\zeta}\hat{O}$

-  $\hat{\zeta}\hat{O}\hat{A}\hat{y}\hat{\zeta}\hat{O}$

-  $\hat{\pm}^3\hat{A}\hat{y}\hat{\zeta}\hat{O}$

-  $\hat{\zeta}\hat{o}\hat{1}/\hat{D}^{\hat{3}\hat{a}}\hat{\zeta}\hat{-}\hat{1}\hat{y} \& \hat{A}\hat{\eta}\hat{o}\hat{\zeta}\hat{A}\hat{1}/\hat{A}\hat{1}\hat{y}$

7.  $\circ\hat{\Gamma}\hat{\mu}\hat{1}/\hat{\Delta}\hat{\lambda}\zeta \hat{O}$

-  $\hat{A}\hat{b}\hat{\pm}, \circ\hat{\pounds}, \circ\hat{3}\hat{\pm}, \circ\hat{\pounds}, \hat{1}\hat{Y}\hat{o}\hat{3}\hat{\pm}, \circ\hat{\pounds}$

-  $\hat{\zeta}\hat{1}\hat{A}\hat{1}$

**CD 1.1 p.3**

# Mathematica

## 1. Mathematica 5.0?

«Mathematica 5.0» Çİ±â ÀŞÇÑ Æ¼°è, ¶Ç´Â  
¼öÇÐ°ú ±× ÀÀ¿èÀ» ÀŞÇÑ ´Û, ñÀû ¼ÒÇÁÆ®¿p¾

¼öÇÐÀÏ Àû¿èµÇ´Â, ðµç °Ð¾¿¿¿¿¼ÀÇ °è»è±â¿ªÇÒ, ±âÈÈÃ³, ®,  
3Â÷¿ø ±×. ¿ÇÈÃ³, ®, ¼Ã¹Ä. ¹ÀÏ¼Ç, ¿ðµ´, µ µî¿¿ ÀÏ¿èÇÒ ¼ö  
ÀÖ´Â °í±P ÇÁ. Î±×. ¿¹Ö ¾ð¾

## 2. Mathematica 5.0; Çİ´Â ÀÏÀ°?

- 1) ¼öÃ¿°è»è (numerical computation)
- 2) ±âÈÈ°è»è (symbolic calculation)
- 3) ±×. ¿ÇÈÃ³, ® (graphical operation)

## 3. Mathematica 5.0; ¿ª»ç´Â?

- 1988ªâ 6¿ù version 1 ¼Ö°³
- 1991ªâ 1¿ù version 2 ¼Ö°³

## 4. Mathematica 5.0; ÀÖ´Â °÷À°?

**simtnt\_w01\ Mathematica\ Cdsetup.exe**

## 5. Àü°í¹®Çà

¿½, ¿Æ¼Ä« ÀÖ¹®¿¿¼ È°¿è±îÁö  
¼³Æ´ç  
°- »ó±Ö, ³²±â¿ø, Àü±ÖÃç °øÀú