

|C¥X©Ó|³¥Ø«e¥i¥|^³]©wÀÉ;C  
³]©wÀÉ¥]§t©Ó|³;|unView @à±ºþ²zû;vÅâ¥Ü³]©wÈ²ººO¿ý;A¥H«K©ó³]©w;C ¥i±q²M³æ¤¤¿i³/4Ü“Å,ü¤j³]©wÀÉ;C  
·í¥|;|unView @à±ºþ²zû;v;A¤@;Wºþ²zû¥i±N“ä©Ó|³Åâ¥Ü³/4¹³]©wÈ¤§ºO¿ýÅx;s;b¤@Ó³]©wÀÉ¤¤  
;AµM<áÅ~Åò·s¹/4W~S©w»¹/2¥q;B¤u§@,s²Ó©í·í¥|³·s³]©wÀÉ;C ºþ²zû¥i¥H«Ø¥ß;BÅx;s©í§Rº£³]©wÀÉ;C  
³Æµù;G ;|unView @à±ºþ²zû;v¤¤¥]-A¤£;P|æ·~³/’XºØ¤@~ë³]©wÀÉ;C

«Ӯ@ӮUӮHӮNӮ[ӮCwӮ]Ӯ@wӮEӮӮJ;unView Ӯ@ӮPӮzӮ;v;CӮӮJ]Ӯ@wӮEӮӮSӮá;AӮ@ӮIӮYӮ«ӮeӮ;unView Ӯ@ӮPӮzӮ;v]Ӯ@wӮEӮӮFӮ[ӮQӮӮJ]Ӯ@wӮEӮ[Ӯ]Ӯ@wӮEӮӮCӮӮN;CӮ

«Ö@¤U¥H°ö!æ;uNVIDIA nView ®@à±ºþ²zù|w\_ËöëÆF|v;C  
°ëÆF¥|¥H°“öS³]©w!±\_¥ßø¤;unView ®@à±ºþ²zù|vAåä¥Ù³]©wÈ;A¥]-Aµøm¡ºþ²z;B®@à±ºþ²z¥Hxî;u³z©Ú«×;v®Ä¤G;C  
¥|¥H°“ï!¹öëÆF|b\_üxJ Windows ®É@Ö°È©î°±¥!;unView ®@à±ºþ²zù|vº!Û°È@Ö°È;C

«Ö¤@¤U¥H«Ø¥ß©M·s½W¤@Ó¥]§t©Ó¡³¥Ø«e;unView ®à±ºþ²zÛ;v³]©wÈºo·s³]©wÀÉ;C  
|bÀx;s¹³]©wÀÉ¤§¤á;A¥í¥HÀH®É¤·s,ü¤j;C

«Ӯ@¤U\$YH±N¥Ø«e¤ø;UnView®@±øP²z;v³]©wÆAx;s[Ü\xi©w¤g³]©wÀÉ¡C{bAx;s[¹³]©wÀÉ¤§«áA¥!¥HÄH®É«·s\_ü¤j¡C



® e³\μøμi ÂX®iÜ|h¥xi], ó¶VÂä¥Üi ^Âä¥Ü³⁴¹; C  
|p²G°±¥í¹; ï¶μi Âμøμi; NæF·|, ó¶V|h¥xÂä¥Ü³⁴¹; C®e³\À³¥íμ{; ; æææøæ\μøμi ÂX®iÜi], ó¶VÂä¥Üi ^|h¥xÂä¥Ü³⁴¹; C  
|p²G“Sí³@Ö; ï¹; ï¶μi A\$Y“Í¥Âμøμi; ¥i¥H, ó¶V|h¥xÂä¥Ü³⁴¹; A; ýæ‘μMμL¤kÂX®iæ\μøμi; C  
**³Æμù; G** Yn;s”ú¹; ï¶μi A¥²¶·¥y±Ö¥í; u±Ö¥íμøμi, ó¶VÂä¥Ü³⁴¹; v; ï¶μi; C

|b©Ó|³À³¥|µ{|;|µøµ;¤¤;A±N;unView ®à±ºþ²zû;vµøµ;³|¤¤Æ«ö¶s·s¼W;Ü¼ÐÃD;C¤¤;C  
¥í¹¼ÐÃD;C<ö¶s;b|h«À¤Ü³¼¹²ÓºAºº³|¤¤Æ»PÁÜ;á¬ºA¤§¶; ``Àô¤À'¤;C



|b«ü©w¤Åã¥Ü³/4¹¤§¤WÅã¥Ü¹ï, Ü¤è¶ô;C

±N³ï,Ü¤è¶ô«·s©w|i|b'å½4Ð©Ò|b¤ºÅ¤Ü¾¹¤§¤W|C

|b¥ÀÀ³¥îµ{|;¤ºÅã¥Ü¾¹¤§¤WÅã¥Ü¹i,Ü¤è¶ô|C

«Ö§@§U§è;VÁä¥H¿”úñ|b”ä§WÅä¥Ü¹í;Ü§è¶ôäöÅä¥Ü³/₄¹;C

±N nView **ξī¶μ** ...·s¼W;ÜÀ³¥|μ{!;¡ø“t²¥\`-à¤í¤¤;C

1. Yn;s”ú“t²¥\`-à¤í;A¥í;Æ¹«¥kÁä«ö¤@¤UÀ³¥|μ{!;¡µøµ;¡ø¼ÐÄD!C;C

2. µM«á«ö¤@¤U nView **ξī¶μ** ...¥H;s”ú»PÀ³¥|μ{!;¡³Ãöø¤;unView @à±ºþ²zû;v¥\`-à;C

¥[³t;u¶}±Ò;v;B;u³]¤j¤Æ;v»P;uÁÙì;vμøμ¡¥`-à;C

!b@!^2μθμι® É±ÓÝμθμι^zCÚ«xÝ-à;C!bμθμ!a@%/DÁD!CxAW«Ó!-Æ!«**Ó!S**RÉ!Aμθμi±N·!ÄÜ!-°zCÚ!A®e³\±zSÖ^t-d-Yμθμi!aS!U@!a@!R!e;C ÄA@R!Æ!«**Ó!S**S!«!Aμθμi!aS!ÄÜ!-^a!f!zCÚ!a@!-!A;C

³]©w³Q²³/⁴°Êººμøμ¡ºººz©ú«x;C ï³/⁴Üºººz©ú«x;Ê¤À¤ñ¶Vºº;Aμøμ¡ºººb²³/⁴°Ê®É'N±N¶VÅºººz©ú;C

|p<sup>a</sup>G;uÁY©ñ;vμøμ;³B©ó²{|¥†æøæ→¤A;A¥|¥î·Æ¹«¤u½ü”ÓÅÜ§ó;uÁY©ñμ¥~Å;v;C



|b;uÁY©ñ;vµøµi±Ò°Ê®É;A«Ø¥ßÅä¥Ü·Æ¹«'å¼Ð¥|©P©ñ¤jÅä¥Ü¤o;uÁY©ñ;vµøµi;C



1.  $\hat{Y} = \alpha_0 + \alpha_1 X_1 + \alpha_2 X_2 + \dots + \alpha_p X_p + \epsilon$
  2.  $\mu M \ll O(M^{\frac{1}{2}} T C)$

«Ö¤@¤U¥H±N\_¡©w¤¤§Ö³tÁä°Ê§@©M«öÁä²Ö¡X·s¼W¡Ü¡u²{¥î¤¤§Ö³tÁä;v²M³æ¤¤¡C  
·s¼W§Ö³tÁä¤¤«á¡A§Ö³tÁä±N³B©ó²{¥î¤¤¬¤A”Ã¥¡”Ñ”¡¥¡”C

«Ö@#U\$YH±q;u?{¥!iaSÖ³tÄä;v²M³æ¤x²³/⁴£ξ‡Cw⁹gSÖ³tÄä;C SÖ³tÄä²³/⁴£¤S«á«K¤E|A³B©6²{¥!ia-⁹A©Í-⁹O¥i-⁹N-⁹Íy!i;C



|C¥X©Ó|³¥Ø«e¥¡¥†¤@à±;C  
±q!¹²M³æ¤¤;í”ú¤@Ó®à±¤¤«á;A¥¡¥H±Ó°É;B«·s©R;W;B²³⁴°F©Í;b®à±¤¤¶;¤Á‘«;C  
§ n±N@à±·s¹¼W;Ü²M³æ¤¤;A«ö¤@¤U·s¹¼W«ö¤s;C  
§ Yn¤Á‘«®à±;A³s«ö”â¤U²M³æ¤¤¤—YÓ®à±;C

«ö¤@¤U¥H·s½W®à±;C

1. ³Q'£¥Ü®É;A;b®à±;W¤ÜÄæ;|¤¤;é¤J®à±;W¤Ü;C

2. «ö¤@¤U@M¥í©M½T©w;C ®à±·|³Q«Ø¥ß”Ã¥B¥X²{|b®à±²M³æ¤¤;C

«Ö§@¤U¥H«·s©R!W¡ë©w¤®à±;C½s¡è@à±;W¤ÙÄæ|¡¤¤¤®à±;W¤Ù;AµM«á«Ö§@¤U½T©w¡C



±NíÿÜ·S½W;Ü Windows æu§@|C;A¥H«K¶}±Ò³o"Ç;unView ®à±ºþ²zû;v±±"î±²O;A¤Á'«®à±  
;A¥H¤îÀÜ§ó"q¥îºøÀã¥Ü³]©wÈ;C

¥í; b Windows ÀÉ®×Á`ºþæ, ê®Æ§”¾ð§îµ²ºçæÀËµø®à±;C ¥í¥í Windows ÀÉ®×Á`ºþæ, ê®Æ§”¾ð§îµ²ºcÀËµø;R  
§ «·s©R|W|B\$R°f©Í·s¼W®à±;C  
§ ¡b®à±¤¶¡¤A'«;A"Ã±NÃ³¥íµ{¡;±q¤@Ó®à±©¡¡Ü¥t¤@Ó®à±;C

¶±Ó@Óþpu”“ã;C;A¥!¥!“Ó;b®à±¤¶!§Ö³þÁ`“;C ¥²¶·±Ó¥!;u;b;uÀÉ®xÁ`¤þ;vñøµ;\_ê®ÆS”%Ø§!µ²¤C¤Åä¥Ü®à±iv¿íµ;A¤~“~“Í¥!;u”“ã;C;C

¬°¥¿;¡b«Ø¥ß¤·s³]©wÀÉ¿é¤j¿W¤@µL¤G¤;W¤Ù;C

¬°¥¿¡b«Ø¥ß¤·s®à±¿é¡¿W¤@µL¤G¤!W¤Ù¡C

Ã¤ÙØ«e¥i¥H»P{©w¤§Ö³tÁä°t;|X”Ù¥†¤®à±©îÃ¤Ù³/4¹;]ºÊµø³/4¹;^²M³æ;C

¿éœJn°õ|æœA³¥îµ{|;œñ“ä|ì,m;C ¥i¥H«öœ@œUœSÄy¥H·j'MÀ³¥îµ{|;i;C

|p<sup>a</sup>G®Ö{*i*}<sup>1</sup>{*j*}¶μ;*A*”t<sup>2</sup>î·|||b±N”t<sup>2</sup>î©w;*i*®É¤Á’«;Ü{*j*}©w<sup>a</sup>*o*<sup>3</sup>]©wÀÉ;*j*C  
Y”ú®ø®Ö{*j*}<sup>1</sup>{*j*}¶μ;*A*”h<sup>3</sup>]©wÀÉ¤f·|^2f¥ÍÛø;ó<sup>a</sup>ÅÜ§ó;*j*C  
”Ö;*p*;A|p<sup>a</sup>G¤w;*j*©w§Ü<sup>a</sup>©w;*i*<sup>3</sup>]©wÀÉ¥B¤w®Ö{*j*}©wÀÉ{*j*}¶μ;*A*”h”t<sup>2</sup>î±N;b<sup>3</sup>Q©w;*i*®ÉÅÜ§ó¬°;Ü-  
q<sup>a</sup>©w;*i*<sup>3</sup>]©wÀÉ;*j*C

|p<sup>a</sup>G®Ö{*i*}<sup>1</sup>{*j*}¶μ;*A*“t<sup>2</sup>î·||;b±N“t<sup>2</sup>î“ú®ø©w;*i*®É¤Á’«!Ü{*j*}©w<sup>äo3</sup>]©wÀÉ;*i*C  
Y”ú®ø®Ö{*j*}<sup>1</sup>{*k*}¶μ;*A*<sup>3</sup>]©wÀÉ¤f·|<sup>2</sup>f¥í¥ô;ó<sup>äo</sup>ÅÜ§ó;*i*C  
”Ö|i;A|p<sup>a</sup>G¤w;*j*©w§Ü<sup>äo</sup>“ú®ø©w;*i*<sup>3</sup>]©wÀÉ¥B¤w®Ö{*j*}“ú®ø©w;*i*<sup>äo3</sup>]©wÀÉ{*j*}¶μ;*A*t<sup>2</sup>î±N;b<sup>3</sup>Q“ú®ø©w;*i*®ÉÅÜ§ó→  
°|Üq<sup>äo</sup>“ú®ø©w;*i*<sup>3</sup>]©wÀÉ;*i*C

|p<sup>a</sup>G®Ö<sup>i</sup>j<sup>1</sup>ż<sup>i</sup>¶μ;A”t<sup>2</sup>î±N·|;b”t<sup>2</sup>î¶iŋj;u<sup>1</sup>/4gŋj;v<sup>1</sup>/4Ö!;i®É¤Á’«;Ü<sup>i</sup>©w<sup>aø3</sup>]©wÀÉ;C  
Y”ú®ø®Ö<sup>i</sup>j<sup>1</sup>ż<sup>i</sup>¶μ;A<h<sup>3</sup>]©wÀÉ¤f·!²f¥Yö!ø<sup>a</sup>ÅÜsó;C  
’Ö;|p;A|p<sup>a</sup>G¤w<sup>i</sup>©w§U<sup>aø1/4</sup>gŋj<sup>3</sup>]©wÀÉ¥B¤w®Ö<sup>i</sup>j<sup>1</sup>u<sup>1</sup>/4gŋj<sup>3</sup>]©wÀÉ;v<sup>i</sup>¶μ;A<h”t<sup>2</sup>î±N;b¤Á  
’«;Ü;u<sup>1</sup>/4gŋj;v<sup>1</sup>/4Ö!;i®É¤Üsó¬°;Üq<sup>aø1/4</sup>gŋj<sup>3</sup>]©wÀÉ;C

{ $\int^{\infty}_0$   $t^2 w^3$  }  $\otimes$   $w \Delta E$   $\neq H$   $\int^{\infty}_0$   $t^2 w^3$  ]  $\otimes$   $w E$ ; C { $\int^{\infty}_0$   $U q^3$  }  $\otimes$   $w \Delta E$   $\neq H$   $\int^{\infty}_0$   $t^2 z O H^3$  ]  $\otimes$   $w E$ ; C  
 $\int^{\infty}_0$   $U q^3$   $\otimes$   $w E$ ; A  $\approx$   $\sim$   $\tilde{a} b$   $\otimes$   $w$   $\int^{\infty}_0$   $U q^3$  ]  $\otimes$   $w E$ ; C



$\{ \cdots \text{U}^1 \mathbf{w}^3 \}^3 \} \odot \mathbf{w} \bar{\mathbf{A}} \bar{\mathbf{E}} \mathbf{Y} \mathbf{H}^{-1} [\mathbf{Y} \bar{\mathbf{U}}^{1/4} \mathbf{t}^1 \mathbf{w}^3]^{\alpha_3} \} \odot \mathbf{w} \bar{\mathbf{E}}; \mathbf{C}$   
 $\{ \cdots \text{U}; \bar{\mathbf{U}} \mathbf{q}^3 \} \odot \mathbf{w} \bar{\mathbf{A}} \bar{\mathbf{E}} \mathbf{Y} \mathbf{H}^{-1} [\mathbf{Y} \bar{\mathbf{U}} \bar{\mathbf{z}} \bar{\mathbf{O}} \mathbf{A} \mathbf{H}^{\alpha_3}] \odot \mathbf{w} \bar{\mathbf{E}}; \mathbf{C}$

«ö¤U{|<sup>1</sup>z|¶μ¥H«Ø¥ß;Üq<sup>3</sup>]©wÀÉ;C

1. ¥H±z§Æ±æ”C¤@!, ¶i¤J;<sup>13</sup>]©wÀÉ®É;AÅã¥Ü<sup>3/4</sup><sup>13</sup>]©wÈ;B<sup>1</sup>q<sup>-1/2</sup><sup>3</sup>]©wÈ¥H¤iÅ<sup>3</sup>¥íµ{;;¥X<sup>2</sup>{<sup>ao</sup>¤è};;"Ó±Æ;C;C

2. §<sup>1</sup>;"<sup>3</sup>]©wÈ®É;A;A«ö¤@¤U{z|¶μ¥HÀx|s;Üq<sup>2</sup><sup>23</sup>]©wÀÉ;C

,Ü¤]©Î”ø,ü;unView ®à±ºþ²zÛ;v®à±ºþ²z;C ø]¥í±±”î;unView ®à±ºþ²zÛ;v¬O§\_·||þ¶}³/₄÷®É;Û°È±Ò°È;C

ÃœÜ©ÎÁôÂÃ¥Î©ó|h«®à±;BÀ³¥Îµ{;;ºþ²z¥H¤î"¡¥î¤|¤¶±¥\~àºþi¶¥;unView ®à±ºþ²zû;v³]©wÈ;]ÃœÜÃB¥~ºþ¼ÐÅÒ;^;C



±±”î¬O§\_±NÀã¥Ü½Ò|i\_,ê°T¡],Ñ¤R«x;BºÊµø³/4¹±Æ|Cµ¥;^Àx{s¬°³]©wÀÉ»P/©î¥Ñ³]©wÀÉ«i' \_iC

±±”î¬O§\_±N¤u§@;C©ó³æ¤@ºÊµø³/4¹©î¬OÂX®i!Ü|h«ºÊµø³/4¹¤§¤W;C

“I’â¼Ð¤U¤µøµ¡!”→°{¥î¤µøµ¡”Ã¥B¤µøµ¡¶¶¤C

"ÍñU©Ô!;¥\~àäí;þ¥Dμøμ;¤£³z©ú®É§e²{³z©ú;C

"ÍÍu§@{C§e<sup>2</sup>{³z©Ú²¬ºA;C

ÅäºÜ¡u¼sº¡¡v³z©ú«xµ¥¬Å¡C «ö¤@¤U¡V¤W/¡V¤UÁ¤¡A@Ú¾Ù»Ýn”Ó½Ó¾å½ÆÈ¡C  
³Æµù¡G ¥i¥H”¡¥íÀ³¥íµ{¡;¤¤Ó¤O³]©w¤¤À¤S¤O³]©wÀ³¥íµ{¡;¤¤z©ú«xµ¥¬Å¡C

- ±Ó¥Î|<sup>1</sup>¿ï¶µ®É;A«ö@¤UÅä¥ÜÁY©ñµøµ;¿ï¶µ;A;uÁY©ñ;vµøµ;.|Åä¥Ü¤@Ó;Å¹ð©T©w”ú±o²º©ñ¤jµø¹¡;C  
1. ±q¶}±Ó²º;uÁY©ñ;vµøµ;¤¤;A«ö@¤U¹¡@Øµøµ;¥HÅä¥Ü;u©T©w¹¡@Ø;vµøµ;;C  
2. Yn©ñ¤j;Å¹ð¤W²º¤F;Pº¹°;A¥i¥H±N;u©T©w¹¡@Ø;vµøµ;<sup>2/4</sup>;i;Å¹ð¤W²º¤F@Ó;ì,m;C ©ñ¤j²º¹°;i;|  
Åä¥Ü;b;uÁY©ñµøµ;v¤§¤¤;C  
3. |p;³¥²n;A½ð«Åð”BÆ] 2;A¥H«K©ñ¤j;Å¹ð¤W²º¤F;Pº¹°;i;C

|p³Gxw¿i©w|u"l'å¼Ð, m¤¤;v©l|u©T©w¹i®Ø;vÁY©ñµøm;|A.|b©ñajæøÅä¥Ü¤¤Åä¥Ü'å¼Ð;C

® e³\¼v¹³Àã¥Ü|b;uÁY© ñ;vµøµ;¤¤;C  
³Æµù;G ¥²¶·;b¶}±Ò;uÁY© ñ;vµøµ;¤¤«á|A¹¼½© ñ¹¼v¹³;A¥H«K|b;uÁY© ñµøµ;j;v¤¤Æ[½à¼v¤ù;C

«Ö¤@¤U¶}±Ö¤¤;u«Å|³]©wÈ;v±¤O;A¥i;b!¹ÁY©ñ¼v¹³µøµ¡¥H²Å¡X¥þ³t¹¼½©ñ®É¾ãÓ¿Ã¹ö¤¤j¤p¡C

±NÀ³¥Íµ{|;·s¼W|ÜÓ§Oºþ²zºº²M³æ¤è¶ô¤¤;C  
³Æµù;G |þ¤G¤F→°À³¥Íµ{|;³]©wÓ§O³]©wÈ;A<hÀ³¥Íµ{|;±N;b;unView ®à±ºþ²zû;v¤º®e±¤OÃÖ³→¤§«á±q²M³æ¤¤²³/⁴°F  
;C

«Ӯš@ӮҰҲНұмөм; Аб·с<sup>1/4</sup>W; ӮСО<sup>2</sup>z<sup>2</sup>М<sup>3</sup>æкшे¶іш; C  
<sup>3</sup>Емұңғ |p<sup>2</sup>Gx<sup>0</sup>±ұғА|p<sup>0</sup>Y<sup>-</sup>à; AА|p<sup>0</sup>S<sup>0</sup>±N|b<sup>1</sup>±<sup>2</sup>OӮ<sup>3</sup>→æ§«á±q<sup>2</sup>M<sup>3</sup>æкш<sup>23/4</sup>°f; C

«ö¤@¤U¥H±NÀ³¥|µ{|;©îÃþ§O²³/₄°£;A¥H§K³QÓ§Oºþ²z©î¥\¬à³Q°±¥|;C



«Ӧ¤@¤U¥H°±¥î¬YÓ¬S©wÀ³¥îµ{¡;¡©¡µøµ¡Ãþ§O¤¤;¡nView @à±¤þ²zû;v¥\¬à¡C«Ӧ¤@¤U¥H¶}±Ò/Ãö³¬©Ò!³µøµ¡¤-Ó§OÀ³¥îµ{¡;¡©wÈ¡C

Ã¢â€šÜ|³Ó§O¤³]©wÈ¡]ºñ|â®Ö¿í²Å,¹; ^ ©î¥\¬à³QÃö³¬;]Åå¹Ä,¹©î¬õ;â X; ^ ªoÀ³¥îµ{|;©Mµøµ;Ãþ§O;C

«Ö¤@¤U¥H³]©W®à±¤º®à¥¬©M/©ÍÍ¥Ü;C

«ö¤@¤U¥HÅã¥Ü®à±¥Ø«e¤¤®à¥¬©M/©Î¹ï¥Ü¿í”ú½d¤ò;C

«Ü©w!b¥H·Æ¹«¥kÁä«ö¤@¤U®à±®É¡A¬O§\_nÅä¥Ü;unView ®à±ºþ²zÛ;v¿í¶µ;C

|p<sup>a</sup>G;unView ®à±ºþ²zû;v¥²¶·°±¥î¬YÓ¥\`à;A·||b¤u§@|C¤WÀä¥Ü®ð¤w°T®§;C

!bμøμ;¼ÐÃD;C¤WÅ¤¥Ü¤@Ó«ö¶s;A¥H±Nμøμ;³Q³¡¤p¤Æ¬°¼ÐÃD;C;C

|bμøμi½ÐÃD|C¤WÀ¤¥Ü¤@Ó«ö¶s¥H«K|s”ú¡unView ®à±ºþ²zû¡v¿í¶µ¥\`àºí¡C



±Ò¥î¤@Ó¤½¥îµ{¡¡¥H«K©ó½Ó³¼ãçÃ¹õ¥H,ÉÀv·¤§î¥¢¬u¤ø®Ã¤G;C

¥î·Æ¹«¥kÁä«ö¤@¤U®à±®É;A;b®à±¥\`à¤í¤¤Åä¥Ü NVKeystone ï¶µ;C;bÅä¥Ü³/4¹¤WÅä¥Ü'ú,Ö¹ï¼;A®e³\±z±NÅä¥Ü³/4¹½Ö³/4¤¬°³i"î¤¤@Å`à;C

|Ü°Ê¹i»ô|h«Åã¥Ü¾¹”Ã¥B²¾º£¤p¹³¬À¶i»ØiC

|unView ®à±ºþ²zÛ;v·||Ü°ÈÀË¬dÀä¥Ü¾¹±q¼È°±©î¥ð¬v²¬ºÀÄ¬Äò¤§«á¬O§\_¤'µM³s±µ;C  
|p¤GÀä¥Ü¾¹³Q¤ÀÀ\_|ÀÀ¤Ü³]©wÈ·||Ü°ÈÀÜ§ó¥H²¾°£¤ÀÀ\_¤¤À¤Ü¾¹;C

«Ö¤@¤U¥H±N®à±¹¡¥Ü©M¤u§@¡C²³/₄¡Ü¤@¥x⁻S©w³ºÅää¥Ü³/₄¡C

iUnView ® à±ºþ²zÛ;v·|® Ú¾ÚÀ³¥îµ{¡;º;uÓ§O³]©wÈ;v¡]¥|±q;uÀ³¥îµ{¡;v±ºO¤  
¤;s”Ú;^® Í¬O¤U¤eº¤;u;Ú¤È«ü©wÃC;â;v¿í¶µ”Ó¬°À³¥îµ{¡;µøµ;º¤Ãä®Ø¶;â;C µM«á«K¥i¥íâ±m¤Ê±º¤Ö³tÁ¤”Ó¾þ¤  
¤;j¤m¤Ê¤¤¤µøµ;C

¡UnView ®à±ºþ²zÛ;v·|”í¥îA³¥îµ{;;º;uÓ§O³]©wÈ;v¤¤¥¼”í¥î¤¤w±Ò¥î¤¤|â±m;A|Û°È¬°®à±¤W¶}±Ò¤¤µøµi¶Ù;â;C ·|  
|Û°È±q;â±m@w¤¤¬D¿í¥î¤¤ÃC;â;C  
**³Æµù;G** |p¤G©Ò!³¤¤ÃC;â¬Ò¤w³Q”í¥î;A·µøµi‘N¤£·|¶Ù;â;C

³o→Ó;â±mÅä±±²gÃC|â;C ³s<ö”â¤U³oÓÃC|â¥H±Ò¥î;B°±¥î©Î½s¿èÃC|â;C

¡unView ®à±ºþ²zÛ;v¥î©ó³z©úµøµ¡;B¤u§@¡C©M¥\~àºíº¹/º5º}³z©ú«x¡C  
Yn³]©w¤@ÓÀ³¥íµ{¡;ºo~S©w³z©ú«x¡A½Ð"í¥íÀ³¥íµ{¡;ºoÓ§O³]©wÈ¡C

|p<sup>a</sup>G±Ò¥î!çí¶µ¥B±N|u"l'å½Ð,m¤¤;vÁY©ñµøµi½È|i;©M|uÁY©ñ;vµøµi³]¤j¤Æ;A|p<sup>a</sup>G±N'å½Ð<sup>2¾</sup>"|;uÁY©ñ;vµøµi¤¤¤¤;  
;A«h;uÁY©ñ;vµøµi·||Ü°È<sup>2¾</sup>"|¤U¤@Ó¿Ã¹ö|iC

¥í¥H"í¥íÀ³¥íµ{¡;¤¤½Ð·Ç·Æ¹«½s¿è¤è¡¡;A¡b;u©ñ¤jÃè¡v©í;u©T©w¹ї®Ø¡vÁY©ñµøµ¡½È¡¡¤¤¤U"í¥í·Æ¹«»PÀ³¥íµ{¡¡;C

"Ã·|±N¤@Ó®à±¤Á'«³¼¹·s¾W|Ü¼Ð·Ç¤º Alt-tab Å³¥|µ{|;¤Á'«¥\`à;C  
® Ü¾Û¹w³]È;A¥i±q;u§Ö³tÅä;v±²OÅÜ§¤º Alt-~²Ö!X«öÅä|s"ú³oÓÅB¥~¤º;u¤Á'«®à±;v¥\`à;C

¤W\_Ü¤J¤FÂê©w¤¤]©wÀÉ;C Âê©w¤¤]©wÀÉ¤F®e³\±z×§iÀx|s|b³]©wÀÉ¤¤¤]©wÈ;C Yn×§i³]©wÈ;A½D ,Ü¤J¤@-  
Ó”ú®øÂê©w¤¤]©wÀÉ;C

μL<sup>3</sup>k<sup>2/3</sup>/4°F<sup>1</sup>w<sup>3</sup>]<sup>20</sup>®à±;C {p<sup>2</sup>G¤w,ü¤]¤FÂê©w<sup>20</sup>]©wÀÉ;A¤]μL<sup>3</sup>k<sup>2/3</sup>/4°F®à±;C

μL³k·s¹/₄W¶W¹L 32 Ó®à±;C |p³G¤w,ü¤J¤FÂê©w¤¤³]©wÀÉ;A¤]μL³k·s¹/₄W®à±;C

|¹«ö¶s·|””ëæF±ò°Ê;A®e³\±z³]©w³|±`¥îæo nView ;i¶µ;C¥²¶·¥ý±N nView ±ò¥î;A¤~“à°ë!æ!¹ëæF;C

°f«D±Ó¥î¤F¤£¥u¤@Ó¤Èµø³/4¹©î@æÅl;A§\_«hµL¤k°±¥îµøµi,ó¶V¥\`à;C  
|p¤G¤w,ü¤j¤F¤ê©w¤¤]©wÀÉ;A«hµL¤k¤Ü¤S¤!¹³]©wÈ;C

°f«D±Ø¥î¤Fµøµi,ó¶V¥\`à;Ó¥B±Ø¥î¤F¤£¥u¤@Ó¤Eµø³/4¹©î®æÂl;A§\_«hµL¤k°±¥î¤µøµi,ó¶V¥\`à;C  
{p¤G¤w,ü¤j¤F¤ê©w¤¤]©wÅÉ;A«hµL¤k¤Ü¤s¤o¤¹¤]©wÉ;C

°f«DÃö³¬¤Fxu”ã|CÁ`|b³|¤W¼hÅä¥Ü¤¤Ü¶µ;B¤u”ã|C”Ã¥¼Åê©w;B¶}±Ø¤F©|!²®ÉÅä¥Üµøm;¤º®e;A”Ã¥B¥¼°ö;æ  
Windows 2000 ¼È;|¤¤u”ã|C;]¤f¬O Windows 2000 §@·~”t²î’N¬O”ã|³Åþ§O¼È;|¤¤ Windows XP;^;A§\_«hþLºk±Ø¥í¤u”ã|C-  
x§i;C

°f«D±Ò¥Í¤F¤£¥u¤@Ó¤Èµø³/4¹©Î®æÂl;A§\_«hµL¤k±Ò¥Í«·s©w¡í¡í,Ü¤è¶ô¥\`à;C  
|p¤G¤w,ü¤j¤F¤ê©w¤¤]©wÀÉ;A«hµL¤k¤Ü¤só!¹³]©wÈ;C

°£ $D\pm O\pm I\mp F$ · $S\cdot S$ © $W\mid\!^{\!T}$ · $\ddot{U}\!x\!e\!\ddot{P}\!o\!\ddot{Y}\!\mid\!^{\!T}$ · $\ddot{O}\!Y\!B\pm\ddot{O}\!Y\!\mid\!^{\!T}\!F\!x\!F\!y\!U\!x\!@$  $O\!g\!E\!m\!o\!z\!/\!4\!^{\!T}$ © $I\!R\!a\!e\!A\!l\!i\!A\!S\!_<\!h\!u\!L\!k\!A\!U\!S\!o\!1\!^{\!T}\!z\!/\!P\!u\!C$  $|p\!^{\!a}\!G\!x\!w\!,\ddot{U}\!x\!J\!x\!F\!A\!e\!@$  $W\!a\!s\!^{\!3}\!$ © $W\!A\!E\!i\!A\!<\!h\!u\!L\!k\!A\!U\!S\!o\!1\!^{\!T}\!$ © $W\!E\!i\!C$

°£ $D\pm O\pm I\mp F\cdot S\cdot C\cdot W\cdot I\mp I$ . Üñë¶ø¥~`à;Ó¥B±O\pm I\mp F\mp Y\mp U\mp @Ó±E\mu\theta^3/4^1\mp I\mp \alpha\mp A\mp S\mp <\!h\mu L\mp k\tilde{A}\mp S\mp O\mp I\mp \beta\mp \gamma\mp \mu\mp C\mp p\mp g\mp W\mp \ddot{U}\mp J\mp F\tilde{A}\mp \phi\mp w\mp a\mp 3^1\mp C\mp w\mp A\mp E\mp A\mp <\!h\mu L\mp k\tilde{A}\mp S\mp O\mp I\mp 1^1\mp C\mp w\mp E\mp C

°f«D±Ò¥î¤F«·S©w|i³i\_Ü¤è¶ô¥\`à|Ó¥B±Ò¥î¤F¤£¥¤¤@Ó¤E¤µ¤¤³/4¹©Î®æÅl;A§\_«hµL¤k¤Ü¤S¤¹¿¤¶¤C  
|p¤G¤w,ü¤j¤F¤ê¤w¤¤³]©w¤E¤A¤h¤L¤k¤Ü¤S¤¹³]©w¤E¤C

°f«D±Ø¥î¤F«·S©w;`i,Ü¤è¶ø¥\`à;Aži¾Ü±N`i,Ü¤è¶ø²¾;Ü¤@ØºÈµø¾¹;Ø¥B±Ø¥î¤F¤£¥¤¤@-ØºÈµø¾¹;Ø¤æÅl;A§\_«hµL³k³Ü¤ó¹;¿¶µ;C [p³G¤w,ü¤j¤FÅê©w³¤³]©wÅÉ;A«hµL³k³Ü¤ó¹³]©wÅÉ;C

¥²¶·¥ý”ú¤@ÓÀ³¥îµ{|;|/¤î©îÃþ§O;A¤~¬à±N¥|²³/⁴°£;C |p²G¤W,ü¤J¤FÂê©w²⁹³]©wÀÉ;A«hµL²k²³/⁴°£À³¥îµ{|;|¤î/©îÃþ§O;C

¥?¶·¥ÝÜ”Ú¤@ÓÀ³¥Íµ{¡;¡A¤~`à½s¿è,ÓÀ³¥Íµ{¡;¤§Ó§O³]©wÈ;C µL¤kÅÜ§ó¤@ÓÃþ§O¡¤F¤¬O¤@ÓÃþ§O‘N¤O¤@-ÓÀ³¥Íµ{¡;©MÃþ§O¡^¤§Ó§O³]©wÈ;C ¡p¤G¤w,ü¤]¤F¤ê©w¤¤]©wÀÉ¡A¤hµL¤kÅÜ§ó¡¹³]©wÈ;C

¥?¶·¥ý¿””ú¤@ÓÀ³¥íµ{¡;¤î/©ÍÃþ§O;A¤~”à°±¥í,ÓÀ³¥íµ{¡;¤î/©ÍÃþ§O¤¤¥\”à;C  
|p¤G¤W,ü¤J¤F¤ê©w¤¤]©wÀÉ;A¤h¤L¤k¤Ü¤s¤!¤]©wÈ;C

¥²¶·¥ý±Ò¥î®æÂl;A¤~¬à½s¿è³o”Ç®æÂl;C |p¤G¤W,ü¤J¤FÂê©w¤¤]©wÀÉ;A¤hµL¤k¤Ü¤ó¡¹³]©wÈ;C

¥²¶·¥ý±Ò¥î|â±mÁä±±;A¤~`àÅÜ§ó!¹±±”¿í¶µ;C |p¤G¤w,ü¤J¤F¤é¤w¤¤]¤w¤É;A¤¤h¤L¤k¤Ü§ó!¹³]¤w¤È;C

¥²¶·¥ý±Ò¥î|â±mÁä±±;A¤~`àÅÜ§ó!¹±±”¿í¶µ;C |p¤G¤w,ü¤J¤F¤é¤w¤¤]¤w¤É;A¤¤h¤L¤k¤Ü§ó!¹³]¤w¤È;C

¥?¶·¥ý±Ò¥î·Æ¹«ºu½üÁY©ñµ¥¬Å±±”î¿í¶µ;A¤~¬àÅÜ§ó;¹±±”î¿í¶µ;C  
|p³G¤w,ü¤j¤FÂê©w³¤³]©wÅÉ;A¤hµL¤kÅÜ§ó;¹³]©wÅÉ;C

¥?¶·¥ý±Ò¥î·Æ¹«ºu½üÁY©ñµ¥¬Å±±”î¿í¶µ;A¤~¬àÅÜ§ó¡¹±±”î¿í¶µ;C  
|p³G¤w,ü¤j¤FÂê©w³¤³]©wÅÉ;A¤hµL¤kÅÜ§ó¡¹³]©wÅÉ;C

!¹±±”î¿¶µ;b©ñ¤jÃèÁY©ñ¼Ò!;¡¤µL¤k”í¥!;C |p¤G¤w,ü¤J¤F¤ê©w¤¤]©wÀÉ;A¤hµL¤k¤Ü¤ó!¹³]©wÈ;C

¶<sup>1</sup>±±^íí¶μ¥u-à|b"l^ä¼Ð,m¤¤ÁY©ñ¼Ò|;¤¤"Í¥í;C|p¤G¤W,ü¤¤F¤ê©w¤¤³]©w¤¤É;A¤¤h¤¤L¤¤k¤¤Ü¤¤ó¹³]©w¤¤È;C

l<sup>1</sup>±±”î¿¶µ;b”l’å½Ð, m¤¤ÁY©ñ½Ô;¡¤¤µL¤k”¥¡;C ;p¤G¤w, ü¤J¤F¤é©w¤¤]©wÀÉ;A¤¤hµL¤k¤Ü¤ó;¹³]©wÈ;C

l<sup>1</sup>±±^~^i¶¶μ¥u!b±Ò¥^¤F|Û°È±Ò°È'å½4Ð©Ò;b¤µøµ¡¥\  
~à@É¤~¥í~í¥í;C|p¤G¤w,ü¤J¤FÂê©w¤¤]©wÀÉ;A«hµL¤kÅÜ§ó!¹³]©wÈ;C

l<sup>1</sup>±±~^i\_2¶μ¥u;b±Ò¥î¤F¥Ü·N®É¤~¥i~¥î;C|p¤G¤w,ü¤J¤FÂê©w¤¤]©wÀÉ;A«hµL¤kÂÜ§ó!¹³]©wÈ;C

l<sup>1</sup>±±~^i\_2¶μ¥u;b±Ò¥î¤F¥Ü·N®É¤~¥i~¥î;C|p¤G¤w,ü¤J¤FÂê©w¤¤]©wÀÉ;A«hµL¤kÂÜ§ó!¹³]©wÈ;C

!^±±^"îçï¶µ¥u;b±Ò¥î¤F·Æ¹«¥áÂY®É¤~¥í"í¥í;C |p¤G¤w,ü¤J¤F¤ê©w¤¤³]©wÀÉ;A«hµL¤k¤Ü¤ó!¹³]©wÈ;C

!^±±^"îçïµ¥u;b±Ò¥î¤F·Æ¹«·¤§î¶s®É¤~¥i"î¥î;C;p¤G¤w,ü¤J¤FÂé©w¤¤]©wÀÉ;A¤hµL¤k¤Ü§ó!¹³]©wÈ;C

í±±”í¶¶µ¥u¡b;w\_ÉxF DirectX8 ©Íšó·sæø©¥»;A¥¿!b”C¤@¥xÅä¥Ü³/4¹¤W°ð;æ 16bpp ©Íšó¡h;AÅX°Êµ{¡;®M,Ë³nÅé¤¤  
¥]st·¤ñí¥\`à;A¥H¤í¥¿¡b°ð;æ Windows ME  
©Íšó·sæ©¥»æ§@·~”t²î@É¤~¥i”í¥í;C|p¤G¤w,ü¤¤F¤é©w¤¤]©wÅÉ;A«hµL¤kÅÜ§ó¡¹³]©wÉ;C



l<sup>1</sup>±±~^i{¶µ¥u;b|^3¤£¥u¤@¥x¥i¥†¤¤¤µ¤³/4¹@É¤~¥i~¤¤¤C|p¤G¤w,ü¤J¤F¤é¤w¤¤¤]¤¤¤w¤¤¤A¤¤¤h¤¤¤L¤¤¤k¤¤¤Ü¤¤¤s¤¤¤ó¤¤¤¹¤¤¤]¤¤¤w¤¤¤E¤¤¤;C¤¤¤

±Ó¥Î NVIDIA 3D ®à±;C 3D ®à±·|¥H 3D ²í±”Ó”Ú¥N Windows ®à±;A®e³\±z¬°µøµ;¶K¹”Ã¥B”Í¥î 3D ®Ä¤G;C 3D ®à±»Ý-  
n;w, Ë DirectX8 ©Í§ó·s²º¤©¥»;A¥Bºõ{æ Windows XP ¥H¤Í GeForce4 4200 ©Í§óº¤¤©¥»º¤Ãþ§O¹Í§î¥d;C

„FÍW“ NVIDIA 3D VISION

±N 3D ®à±²º±±”î¿¶µ·s¼W;Ü®à±¤º®e¥\`àºí¤¤;C

¶}±Ò®à±¤«á³B²z;C ®e³\|b¥uµy·L°§C°õæ®Ä¬à¤±i¤p¤U"í¥î§ó¤-Ä¤@®Ä¤G;C

,Ü¤J¹w¥ý©w,q¤o 3D ®à±¥DÃD;C ®e³\|b¥uµy·L°§C°ð|æ®Ä¬à¤o±i¤p¤U"í¥î§ó°¤-Ä¤o®Ä¤G;C

¥¡¥Ó¹wÄý®à± 3D º]©wÈ¡C

±Ø¥î©îº±¥î; b 3D ®à±¥DÃD¤¤¤¤·Æ¹«®Ã¤G; C

±Ø¥î©îº±¥î;þ 3D ®à±¥DÃD¤¤¤ººÊµe®Ã¤G;C

±Ø¥î©îº±¥î; b 3D ®à±¥DÃD¤¤¤øµøµ;³±½v®Ä¤G;C

±Ø¥î©îº±¥î; b 3D ®à±¥DÃD¤¤¤øµøµ; ·Ó©ú®Ã¤G; C

±Ø¥î©îº±¥î;þ 3D ®à±¥DÃD¤¤¤¤¶K¹Ùi³/4Ü;C

¶}±Ò¤@Ó¥í,Ô²Ó±±”î3D ®à±³]©wÈ¤¤í,Ü¤è¶ô;A¥]§t«Ó¥ß©MÀx;s¥DÃD¤¤¥\~à;C

¥²¶·±Ò¥î 3D ®à±¤~"à|s"ú¡¹±±"í¿í¶µ;C |p³G¤w,ü¤j¤FÂê©w²¤³]©wÀÉ;A«hµL¤kÂÜ§ó!¹³]©wÈ;C

¥í¥î©ó±Nµøµ;j]©í!²¤@Óµøµ;µM«á©ñ¶}·Æ¹«;^¥áÂY"í¿Ã¹ôÃää½t;C

¥í¥î©ó©w,q·nÂ\·Æ¹«®É·|μo¥íþ·Ç°Ê§@;C

¥í¥î©ó©w,q±N·Æ¹«µe¶é§î~ë|a²³⁴°Ê®É·|µo¥íþ~Ç°Ê§@;C

±q¤@ÓºÊµø³¼¹²³¼”}¥t¤@ÓºÊµø³¼¹®É¡A”Í’¸ø¹Ð,ø¹L¿Ã¹øÀR°Í¡C

¥i¥î©ó¥H·Æ¹«¤¤Áä”ÓÅÜ§óµøµ¡ Z ¶b¶¶§ç;C

<sup>23</sup>/<sub>4</sub>° ¥ Ü · N · Æ¹ « ® É » Ý n Å £ n U shift Á ä ; C

|b' å½Ð¤§¤U¤¤µ¤µ;¤W¤¤Ü¤æ¥¤Ü¤N¤¤E¤@¤]¤q¤±¤`¤E¤@¤·¤|¤b¤{¤¥¤¤µ¤µ;¤W¤¤Ü¤æ¤i¤^¤;¤C

½Ó¾ã·Æ¹«¥áÂYººÆF±Ó«×;C Yn¼W¥[ÆF±Ó«×;]¥H§ó©ö©ó¥áÂY; ^ ;A½D±N·Æ±;|V¥k²³⁴;C

½Ó¾ã·Æ¹«¥Ü·NºøÆF±Ó«×;C Yn¼W¥[ÆF±Ó«×;]¥H§ó©ö©ó·nÂ\©î±ÛÂà;^;A½Ð±N·Æ±);V¥k²³/₄;C

¥²¶·±Ò¥Î¥Ü·N¤~¬à|s”ú!¹³]©wÈ;C |p¤G¤w,ü¤J¤FÂê©w¤¤]©wÀÉ;A¤hµL¤k¤Ü§ó!¹³]©wÈ;C

¥¡¥î©ó”íÀ³¥îµ{|;©MÃþSØµøµ;|b¶}±Ò®É”í”äÃä®Ø°{|Ã{|;C

¥í¥î©ó×§í»P nView À³¥íµ{¡¡³Ãö¤¤ÂX¥R¥\`à¡C

|<sup>13</sup>]©wÈ¥u~à®M¥î©óÀ³¥îµ{|;©MÃþ§O°t¹i;C|p²G¤w,ü¤J¤FÂê©w³¤³]©wÀÉ;A«hµL¤kÂÜ§ó|<sup>13</sup>]©wÈi;C



!¹¿í¶µ¥í¥î©ó¥u{b¶}±Ò«ü¥O'£¥Üµøµí²º®à±¤WÅã¥Ü³o"Çµøµ¡¡];¡Ó¤£¬O{b¹w³]²º©Ò¡³®à±¤WÅã¥Ü¡^¡C

¥¡¥î©óÀÜ§ó¤@~ë|h«®à±¿í¶µ;C

±N©Ø|^³®à±«³]¬°¥Ø«e³º,ÑºR«x;C

±j<sup>3</sup>©Ø!³®à±"í¥î¥Ø«e¤®à¥¬;C³o¼Ê¥i¥H§iiµ½®à±¤¤Á'«³t«x;C

»Ýn Windows 2000 ©ÎÙÓ·S²ØÙ©¥»¤~`à~í¥Ù nView ³Z©Ú«×¥\`à;C  
!¹¥~;A;p²G¤w,ü¤j¤FÂê©w²Ø³]©wÀÉ;A«hµL²kÂÜÙÓ!¹³]©wÈ;C

¥²¶·”ã¹³ºþ²zúÅv¤~¬àÀx{5³]©wÀÉ;C

nView æu"æ|C¥i¥î©ó|b¥i©T©w³øæu"æ|Cææ©ñ,m³]©wÀÉ;B°Ê§@©M®à±;A¥H«K¥Ñ³ææ@·Æ¹««öÁä"Ó|s"ú;C

nView ®æÂ|¥i¥î©ó|b"Cx@¥xºÊµø³/4¹¤§¤W©w,q®æÂl;AµM«á°µ¬º¤|ºÊµø³/4¹;A¥H«K©ó«·s©w{|}¹Ü¤è¶ô;Bµøµi,ó¶V¥\r  
à©M³|¤j¤Æ³/4¤§@|C

¥í¥î©ó½s¿è¬YÓºÊµø¾¹¤·Æ¹«¥áÂY©Ò»Ý..¡¥î¤®æÂI©MÁ¤ÂI;C

»Ýn Windows 2000 ©Í§ó·s¤¤©¥»¤~`à”í¥î nView xu”ã|C;C |¹¥~;A|p¤G¤W,ü¤J¤F¤ê©w¤¤]©wÀÉ;A«hµL¤k¤Ü§ó¡¹³]©wÈ;C

»Ýn Windows 2000 ©Í§ó·s¤¤©¥»¤~`à”í¥î nView ®æÂl;C ¡¹¥~;A;p¤G¤w,ü¤J¤FÂé©w¤¤]©wÀÉ;A«hµL¤k¤Ü§ó¡¹¤]©wÈ;C

¥í¥î©ó³]©wþ¤@ÓºÊµø³/4¹À³¥íµ{¡;·|@Ú¾Û¹W³]È¶}±Ò;C ;u¤W¤@Ó;vºÊµø³/4¹¬O«ü¥î©óÃö³¬À³¥íµ{¡;ºººÊµø³/4¹;C  
;u¶}©l;vºÊµø³/4¹¬O«ü¥]§t;u¶}©l;v«ö¶sºººÊµø³/4¹;C /zÐº·N;A;pºGzººÛ¤F;u¤W¤@Ó;v;AÀ³¥íµ{¡;º¬ºA;]¥]¬A NVMax  
©¡;u;¬;X;vº¬ºA;^¤]·||b¶}±ÒÀ³¥íµ{¡;®É³QÁU;C

"<sup>3</sup>/<sub>4</sub>øμøμ; b¿Ã¹ø§¥~¶}±Ò;C

±j“”í, Ü¤è¶ô;b¥Ø¼ÐºÊµø¾¹¤§¤W, m¤¤;C

°f«D±Ò¥Í¤F¤£¥u¤@Ó¤Èµ¤³/4¹©Î®æÂI;A§\_«hµL¤k¤Ò¥Í¹¿í¶µ;C |p¤G¤w,ü¤J¤FÂê¤w¤¤]©wÀÉ;A¤hµL¤k¤Ü¤ó¹¹³]©w-  
È;C

°f«D±Ò¥Î¤F¤£¥u¤@Ó¤Èµ¤³/4¹©Î®æÂI;A§\_«hµL¤k¤Ò¥Î¹¿i¶µ;C |p¤G¤w,ü¤J¤FÂê¤w¤¤³]©wÀÉ;A¤hµL¤k¤Ü¤ó¹¹³]©w-  
È;C

®à±|â±m³]©wÈ;A”Ò{p<G<<x|B¹jxñ<<x|BGamma ¥Hxî½v¹³ÂA©ú<<x|C

»P Direct3D [³Àö¤³]©wÈ

»P OpenGL ©M Direct 3D ªººæ®Ã¬à©M«~½è!³Ãöººº]©wÈ

ÅX°Êµ{||;B·¤§î©MÃä½t²V|â”‘¥â]©wÈ

¾À¥Î©ó¥þ¿Ã¹õ¼v¹³©MµwÅé¼v¹³«Å|ºº³]©wÈ

»P OpenGL [³Āö¤³]©wÈ

Ã¤¥Ü©ÎÁôÂÃ³]©wÀÉ,ü¤J©ÎÀx|s¤,Ô²Ó¿ï¶µ;C

Àx{*s*©MÁÙí®à±¶}±Ò³ºÀ³¥îµ{|;²¬ºA¡C

Àx|s©MÁÜì nView ®à±ºþ²z³]©wÈ;C

Àx{s©MÁÙlÅã¥Ü¼Ò|;C

|p<sup>a</sup>G<sup>b</sup>i<sup>c</sup>©w¤F%Ó|i, ê°T;AÀx;s©MÁÙ)¤u"ã|C|ì,m|C

|p<sup>a</sup>G<sup>b</sup>i<sup>c</sup>©w¤F<sup>1/4</sup>Ø|i, ê°T;AÀx;s©MÁÙi<sup>3/4</sup>÷<sup>3/4</sup>q<sup>11</sup>q<sup>-1/2</sup><sup>3</sup>]©wÀÉ;C

|p<sup>a</sup>G<sup>3</sup>]©wÀÉ¤¤Àx|s¤FÀ<sup>3</sup>¥îµ{|;<sup>a</sup>¬<sup>0</sup>A,ê®Æ;AÅ¤¥Ü<sup>3</sup>]©wÀÉ¤¤Àx|s<sup>a</sup>¤À<sup>3</sup>¥îµ{|;<sup>2</sup>M<sup>3</sup>æ;C

,Ü¤]ÿi©w¤¤]©wÀÉ"Ã¥B;|b¶i¶¥¶±®M¥î]ÿi©w¤¤]©wÈ;C

Àx{*s*{*j*}©w<sup>a<sub>03</sub></sup>]©wÀÉ"Ã¥B{b¶i¶¥¶±{*j*}©w<sup>3</sup>]©wÈ;C

”Ú@ø°ÊS@;C

<sup>3</sup>O→O<sup>3</sup>]©wÀÉæø»; ©ú¤å|r;A“í¥î¤}¥i¥H;bÀx;s©M«Ø¥ß<sup>3</sup>]©wÀÉ®ÉÅÜ§ó<sup>3</sup>]©wÀÉ»; ©ú;C

