#### ,cisplay ,dffect 95

□ifffBfXfvfŒfC"ÁŽêŒø‰Êf†□[fefBfŠfefB□j



-ÚŽŸ



<u>fffBfXfvfŒfCfAfWfffXfg</u> •\ަ^Ê′u′²□®,ð⊡s,¢,Ü,·□D



<u>fI□[fgfXfNf□□[f<</u> fI□[fg□EfXfNf□□[f<,Ì,□,Ž□^,□,†,†,ð□s,¢,Ü,·□D



<u>fn□[fhfEfFfAfY□[f€</u>

fn[[fhfEfFfA]EfY][f€fCf"]EfY][f€fAfEfg,ð]s,¢,Ü,·]D



<u>fJf‰□[fJ□[f\f<</u>

<u>fJ□[f\f<fTf</u>CfY□E□F□EŒ`,Ì•Ï□X,ð□s,¢,Ü,·□D



<u>fXfNf□□[f<fXfgfbfv</u> fXfNf□□[f<fXfgfbfv,Ì,□,Ž□^,□,†,†,ð□s,¢,Ü,·□D



<u>f]f‰□[•â□³</u> □F□‡,¢'²□®,ð□s,¢,Ü,·□D



# <u>fXf□□[f,□[fVf±f"f,□[fh</u> fXf□□[f,□[fVf±f"f,□[fh,Ì□Ý'è,ð□s,¢,Ü,·□D



<u>,I,o,bf,∏[fh</u>

,l,o,bf,[[fh,Ì,[],Ž[]^,[],†,†,ð[]s,¢,Ü,·[]D



<u>fAfNfZf‰□Eft□[fefBfŠfefB</u> fAfNfZf‰□Eft□[fefBfŠfefB ,ð<N"®,µ,Ü,·□D

#### fffBfXfvf**Œ**fCfAfWfffXfg

‰æ–Ê,Ì•\ަ^Ê'u,ð $\Box$ Ý'è,μ,Ü,· $\Box$ B

$$\label{eq:alpha} \begin{split} & \square \tilde{a} & \square \tilde{a}$$

fJ□[f\f<fL□[,Å'€□ì,·,é,±,Æ,à,Å,«,Ü,·□B

ctrl□{break,ð‰Ÿ,·,ÆŒ³,É-ß,è,Ü,·□B

## fl\_[fgfXfNf\_[[f<

fl□[fgfXfNf□□[f<,Í□AfrfbfOfXfNfŠ□[f",âfn□[fhfEfFfAfY□[f€Žž,ÉŽg—p,μ,Ü,·□B

 $fl[[fgfXfNf]][[f<,\delta,],Ž,É,\cdot,é,&[AfAfNfefBfufEfBf"fhfE,^a]0,e'Ö,í,Á,½,e]AfAfNfefBfufEfBf"fhfE,^a]0,e'Ö,í,Á,½,e]AfAfNfefBfufEfBf"fhfE,\delta,à,&,ÌfTfCfY,É,à,Ç,\mu,½,è,\mu,½,&,a]A,»,ÌfEfBf"fhfE,^a't‰>,É,,é,æ,¤,ÉŽ©" ® "I,ÉfXfNf]][f<,\mu,Ü,·]B$ 

 $, \ddot{U}, \sqrt[1]{2} \Box Af \} f Ef X, \dot{I}^{\hat{E}'}u, \dot{a} f Ef Bf"fhf E, \dot{I}' + \circless , \dot{E}^{\hat{U}} U" @, \mu, \ddot{U}, \Box B$ 

#### fn[[fhfEfFfAfY][f€

‰æ–Ê,ðŠg'å∙\ަ,µ,Ü,·∏B

fL□[,Å,Í□Ashift□{ctrl□{,R,ÅŠg'å□Ashift□{ctrl□{,S,Å□k□¬,μ,Ü,·□B□iffftfHf‹fg□Ý'è, Ì□ê□‡□j

640[]~480fhfbfg,̉ðʻœ"x,Ì[]ê[]‡,Í"{—¦,Í2'iŠK[]i1[]F'Ê[]í,Ì ‰ðʻœ"x[]A4[]F320x240[]j,»,Ì'¼,̉ðʻœ"x,Ì[]ê[]‡,Í3'iŠK[]i1[]F'Ê[]í,Ì ‰ðʻœ"x[]A2[]F640x480[]A4[]F320x240[]j,É,È,è,Ü,·[]B

1"{,ÌŽž,É $\Box$ k $\Box$ ¬(‰Ef{f^f" $\Box$ EfNfŠfbfN),·,é,Æ $\Box$ Å'å,Ì"{—¦,É,È,è,Ü,· $\Box$ B

$$\label{eq:linear_states} \begin{split} & \| \mathring{A}` \mathring{a}'' \{ - \ \ ) \mathring{Z} \check{z}, \acute{E} \check{S} g` \mathring{a} ( \| \Pf \{ f^f ` \| Ef Nf \check{S} f b f N ), \cdot, \acute{e}, \pounds 1'' \{ , \acute{E}, \grave{e}, \ddot{U}, \cdot \| B \end{split}$$

•\ަ"Í^ÍŠO,ðŒ©,é,É,Í[]AŒ©,½,¢•ûŒü,Öf}fEfXfJ[[[f\f<,ð^Ú"®,µ[]A‰æ-Ê,ðfXfNf[][[[f<,³,¹,Ü,·[]B

#### fJf‰[[fJ][f\f<

 $[F,\delta\bullet\ddot{i},\downarrow,\acute{e},\acute{e},\acute{l}f]f\%@[[fe][fuf<,i20\check{Z}i\_P,i]F,\deltafNf\check{S}fbfN,\mu,Ü,\cdot]B$ 

 $[ \Pf{f^f", ÅftfHfAfJf} [, \delta ] A & Ef{f^f", ÅfofbfNfJf} [, \delta' | '\delta, \mu, Ü, ' ] B \\$ 

 $,\pm,\pm,\&\Box F, i'l'\delta, \delta,\cdot,\acute{e},\&\Box A,\cdot,\times, \ddot{A}, iJJ\Box[f\backslash f<,iftfHfAfJf‰\Box[\Box AfofbfNfJf‰\Box[,ª\bullet \ddot{i},\acute{i},\acute{e},\ddot{U},\cdot\Box B]$ 

 $\hat{\mathsf{E}}^2\P\times{}^\circ, \ddot{\mathsf{U}}, {}^{1\!\!/}_2, \acute{\mathsf{I}}\square\mathsf{A}\grave{\mathsf{I}}\grave{\mathsf{U}}\P\times{}^\circ, \mathring{\mathsf{A}}, \acute{\mathsf{I}}\square\mathsf{V}, {}^{1\!\!/}_2, \grave{\mathsf{E}}\square\mathsf{F}, \grave{\mathsf{I}}\square\grave{\mathsf{I}}\square\neg, {}^{\underline{\mathsf{a}}} & \stackrel{\wedge}{\overset{\wedge}} & \mathring{\mathsf{A}}, \acute{\mathsf{L}}\square\mathsf{B} \\ \end{array}$ 

 $[]u\textcircled{C}^{,h}, h] = W \\ [] \in f \\ [] f \\ , h] \\ [] f \\ , h] \\ [] X, \mu, U, \cdot \\ [] B4 \\ Z \\ (-p, h)' \\ +, \\ [] , c \\ , h] \\ (-p, h)' \\ +, \\ [] , c \\ , h] \\ (-p, h)' \\ +, \\ [] (-p, h)' \\ +, \\ ($ 

 $fJf & [[fAfjf]f][f\langle, \delta ON, \acute{E}, \cdot, \acute{e}, \And Af ff XfJ][f f\langle, \dot{I} DF, @]] \\ X, \And \bullet \ddot{I}, \acute{I}, \grave{e}, \ddot{U}, \cdot ]B$ 

 $,\pm, \mathbf{\hat{l}} f, [][fh, \mathbf{\hat{A}}, \mathbf{\hat{l}} ] A ft f H f A f] f \% [] [] A f o f b f N f] f \% [] [] A [] F, \mathbf{\hat{l}} ] \mathbf{\hat{l}} ] \neg , \mathbf{\hat{l}} - {}^{3} \mathbf{\mathfrak{C}} \mathbf{\mathscr{I}}, \mathbf{\hat{E}}, \mathbf{\hat{e}}, \mathbf{\hat{U}}, \mathbf{\hat{l}} ] B$ 

 $f f f f x, l f f f f f f f , \delta W indows 2 A Y A P^ A P^ E SO, l f Y' e, f, \mu, 2, e A < O O, \delta < Z', . , e, f, \mu, 2, A, «, l A f f m f f m f f f f f f , l Z g m p, A, «, U, 1, n B$ 

## fXfNf[][[f<fXfgfbfv

frfbfOfXfNfŠ□[f",âfn□[fhfEfFfAfY□[f€,ÌŽž□AfXfNf□□[f<,ð,µ,È,¢,æ,¤,É,µ,Ü,·□B ,½,¾,µ□Afl□[fgfXfNf□□[f<,âfL□[fXfNf□□[f<,Í—LŒø,Å,·□B □Ä,щŸ,·,Ɖð□œ,³,ê,Ü,·□B

,à,µ□A,cisplay ,dffect,<sup>a</sup>•\ަ—Ì^æ,É,¢,È,¢□ê□‡,Í□Ashift□{ctrl□{□| □iffftfHf<fg□Ý'è,Ì,Æ,«□j,ð‰Ÿ,¹,Î□A‰æ-Ê"à,ÉŒ»,ê,Ü,·□B

fJf‰[[•â[]³

fJf‰□[fŒfxf<,Ì□Ý'è,ð□s,¢,Ü,·□B

fOf‰ft,Ìx޲,ª"ü—Í,³,ê,éfJf‰[[fŒfxf<,Å[Ay޲,ªŽÀ[]Û,É[]o—Í,³,ê,éfJf ‰[[fŒfxf<,Å,·[]B

 $fofCfAfX, \dot{l} \square \tilde{a} \%^{\varrho}, \acute{E}, æ, \grave{e} \square AfJf \% \square [f \pounds fxf <, \overset{a}{2} `S' \dot{l} ``I, \acute{E} \square \tilde{a} \%^{\varrho}, \mu, \ddot{U}, \cdot \square B$ 

 $fQfCf'', \dot{I} \Box AfJf & \Box [f \pounds f x f <, \dot{l} \bullet \ddot{l} & \rangle, \dot{l} \bullet \ddot{l} & \rangle, \dot{l} \bullet \ddot{l} & \rangle, \dot{l} \bullet \ddot{l} & \langle , \dot{l} \bullet \dot{l} & \langle , \dot{l} \bullet & \langle ,$ 

 $"\frac{1}{2}"]f{f^f", A\square A \times \square' , i\square o' \hat{O}, a" \frac{1}{2}"], \mu, Ü, \cdot \square B}$ 

 $fOf \textcircled{\carbon{\carbo$ 

,±,±,Å,Ì•Ï□X,Í□AfffBfXfvfŒfC,Ö,Ì□o—Í,ð•Ï,¦,é,à,Ì,È,Ì,Å□AfvfŠf"f^□o—Í,âftf@fCf<□o—Í"™,Ì□F,̉e<¿,Í,,è,Ü,¹,ñ□B

 $\label{eq:constraint} \ensuremath{\ensur$ 

 $fnfCfJf‰[[\bullet \ \check{Z}]Aftf < fJf‰[[\bullet \ \check{Z}], \dot{A}, \&, (\dot{Z}g-p, \&, «, \ddot{U}, 1, \ddot{n}]B$ 

#### fXf\_\_[f,\_[fVf‡f"f,\_[fh

•`‰æ,ÉfEfFfCfg,ð,©,⁻,Ü,·□B

[]Ý'è‰Â"\,È'l,ĺ0[`100,Å[]A'l,ª'å,«,,È,é,Ù,Ç"®[]ì,ª'x,,È,è,Ü,·[]B

'å,«,È'l,ðŽw'è,∙,é,Æ,«,ĺ'□^Ó,μ,Ä,,¾,,,¢□B

'I,ª0,ÌŽž,ĺfEfFfCfg,ª,©,©,ç,, \_ \_A"®\_]ì,ĺ \_Å,à'¬,,È,è,Ü,· ]B'Ê \_ í,ĺ0,ðŽw'è,µ,Ä,-,¾,³,,¢ ]B

#### ,I,o,bf,[[fh

‰æ-

Ê,ð640□~480fhfbfg,É□Ý'è,μ,Ü,·□B□ifffXfNfgfbfv,ÌfTfCfY,ð•Ï□X,μ,È,¢□Ý'è,É,¨,¢ ,Ä□AfffXfNfgfbfv,ÌfTfCfY,ª640x480,Ì,Æ,«,ÍŽg—p,Å,«,Ü,¹,ñ□B□j

$$\label{eq:stars} \begin{split} & [], & \delta` ce``xf, [][fh, Å, l`f \} f < f`f]fffBfAfAfvfŠfP[][fVf‡f``, l` \bullet \ Z`, a = 1, 3, \cdot, \neg, e`Z`z, E`] Y` e, \mu, A, -, 3'4, 3, c = B \end{split}$$

<u></u>□Ä,щŸ,·,ÆŒ³,Ìf,□[fh,É−ß,è,Ü,·□B

## fAfNfZf‰[Eft][fefBfŠfefB

Windows,Ì ‰ð'œ"x□A□F□"□AfVfXfef€ftfHf"fg□AfrfbfOfXfNfŠ□[f",ð□Ý'è,·,éf†□[fefBfŠfefB□E fvf□fOf‰f€,ð<N"®,μ,Ü,·□B

## fL□[□Ý'è

,cisplay ,dffect,Å,ÌfL[[,Ì[]Ý'è,ð[]s,¢,Ü,·[]B

,»,ê,¼,ê,ÌfAfCfRf",ðfNfŠfbfN,∙,é,Æ∏A‰º,É'Ήž,∙,é<@"\,ª∙\ަ,³,ê,Ü,·∏B

 $\begin{array}{l} \\ \Box ushift \Box v, \hat{a} \\ \Box uctr \\ \Box v, \delta, \Box, \check{Z}, \acute{E}, \cdot, \acute{e}, \& \Box A, *, \hat{e}, \varsigma, \delta & \check{Y}, \mu, \frac{1}{2} \\ \hline o (\hat{O}, \& \Box \check{Y}) \\ \dot{e}, \mu, \frac{1}{2} \\ fL \\ \Box [, \delta & \check{Y}, \cdot, \& \Box A, *, \hat{I} \\ \hline o & \check{U}, \bullet \\ \bullet & \check{U}, \bullet \\ \hline o & \check{U}, \bullet \\ \hline o & \check{U}, \bullet \\ \bullet & \check{U},$ 

 $, \gg, \dot{i} < @" \setminus \dot{j} L_{[}, \dot{A}, \dot{i}" @ [] \dot{,} \dot{\delta} - {}^{3} C \emptyset, \dot{E}, \mu, \frac{1}{2}, \varphi, \mathcal{A}, \ll, \dot{i} [] A_{[} u, \dot{E}, \mu_{[} v, \dot{\delta}' l' \dot{\delta}, \mu, \ddot{A}, , \frac{3}{4}, \frac{3}{4}, \varphi ] B$ 

 $\label{eq:product} \exists \mathfrak{E}^{*\circ}, \mathsf{E}, \mathsf{s}, \mathsf{P}, \mathsf{A}, \mathsf{fL}_{[]}, \mathsf{I}[\mathsf{A}\mathsf{f}\mathsf{e}\mathsf{f}^{*}\mathsf{fL}_{[]}, \mathsf{I}, \pm, \mathcal{E}, \mathsf{A}, \cdot \Box \mathsf{B} \\ \\ \exists \mathsf{E}^{*\circ}, \mathsf{E}^{\circ}, \mathsf{A}, \mathsf{E}^{\circ}, \mathsf{A}, \mathsf{E}^{\circ}, \mathsf{A}, \mathsf{A}, \mathsf{E}^{\circ}, \mathsf{A}, \mathsf{A}$ 

left,up,right,down,ĺ□AfJ□[f\f<fL□[,Ì,±,Æ,Å,·□B

fn[[fhfEfFfAfY[][f€,Å,Í[]AfL[][,Ì•û,ª•Ö—~,Å,·]]B

 $[]u'S, \ddot{A}-{}^{3}\textcircled{e} @[]vf{f^f", A[]AfVf\ddagger[][fgf]fbfgfL[][, \stackrel{a}{_{}}, \cdot, \times, \ddot{A}-{}^{3}\textcircled{e} @, \acute{E}, \grave{E}, \grave{e}, \ddot{U}, \cdot]]B}$ 

## fL[[fXfNf]][[f<

frfbfOfXfNfŠ□[f",âfn□[fhfEfFfAfY□[f€Žž,Å,ÌfXfNf□□[f<,ðfL□[,Å□s,¢,Ü,·□B

#### fffBfXfvfŒfCfGftfFfNfg,Ì□Ý'è

□ufEfBf"fhfE,ð□í,ÉŽè'O,É•\ ަ,·,é□v,ð'l'ð,·,é,Æ□A"ñfAfNfefBfu,ÌŽž,àfffBfXfvfŒfCfGftfFfNfg,ÍŽè'O,É•\ ަ,³,ê,Ü,·□B

□uMPCÓ°ÄÞŽž,ÉÃÞ½,Ä<sup>-</sup>Ìß»<sup>2</sup>½Þ,ð•Ï□X,·,é□v,ð'I'ð,·,é,Æ□A,I,o,bf,□[fhŽž,É ‰ð'œ"x,Æ,Æ,à,ÉfffXfNfgfbfv,ÌfTfCfY,à640x480,É•Ï□X,³,ê,Ü,·□B

□uWindows,Ì<N"®,Æ"<sup>-</sup>Žž,É—§,¿, ,°,é□v,ð'l'ð,·,é,Æ□AWindows,Ì<N"®Žž,ÉfffBfXf vfŒfCfGftfFfNfg,ªfAfCfRf",Ì□ó'Ô,Å<N"®,³,ê,Ü,·□B

$$\label{eq:linear} \begin{split} & \|ufL\_[fXfNf\_\_[f<,l^{0}] & \\ & \|\hat{e}_{k}\|_{1} \\ & \hat{e}_{k}\|_{1} \\ & \|\hat{e}_{k}\|_{1} \\$$

256[]F	,Wfhfbfg
ʲ¶×°	,Sfhfbfg
ÌÙ¶×°	,Wfhfbfg

∏Å'å,S,O,Ü,Å,Å,·∏B

$$\label{eq:loss} \begin{split} & [u,l,o,bf,][fhŽž,l'-]_. \bullet \hat{u} \check{Z} \circledast [v, Å, I]A,l,o,bf,][fh, ð, ]], \check{Z}, \acute{E}, \mu, \overset{1}{\sim}, \mathcal{E}, «, I]A640x480, I \\ & \& \delta^{\circ} \varpi^{\ast} x, \acute{E}, \ , \ , \ , \acute{e} fmf^{\ast} fCf^{\ast} f^{\frown} f \textcircled{C} [[fX]^{\frown} fmf^{\ast} fCf^{\ast} f^{\frown} f \textcircled{C} [[fX]ftf \check{S} fbf]][[ftf \check{S} ][, I'I' ð, ð]s, \\ & \varphi, Ü, \cdot ]B \end{split}$$

,Ü,½□Afn□[fhfEfFfAfY□[f€Žž,Ì640x480,̉ð'œ"x,à,±,± ,Å'l'ð,μ,½,à,Ì,É,È,è,Ü,·□B