

Application Settings

fCf"fXfg[[f<&ft][fU][f}fjf...fAf<

Copyright (c) 1999, ELSA AG (Aachen, Germany)

-ÚŽŸ

 $\begin{array}{l} \underline{i, \mathbf{n}, \mathbf{n}, \mathbf{c}, \underline{\acute{\mathbf{f}}}} \\ \underline{fCf''fXfg\Box} \underline{fkfCfh} \\ \underline{\check{\mathbf{Z}}} \otimes " \otimes \underline{fCf''fXfg\Box} \underline{fk} \\ \underline{f}_{\underline{f}} \underline{fkfCf''fXfg\Box} \underline{fk} \\ \underline{f}_{\underline{f}} \underline{fkfCf} \underline{fkfCf''fXfg} \\ \underline{fhf}_{\underline{f}} \underline{fkfCfb} \underline{fkfCfb} \\ \underline{fhf}_{\underline{f}} \underline{fkfCfb} \underline{fkfCfb} \\ \underline{fhfCfb} \underline{fhfXfCfb} \\ \underline{fhfVfSfP}_{\underline{f}} \underline{fkf} \\ \underline{fhfVfSfP}_{\underline{f}} \underline{fkf} \\ \underline{fhfVfSfP}_{\underline{f}} \underline{fkf} \\ \underline{fhfVfSfP}_{\underline{f}} \underline{fkf} \\ \underline{fhfVfSfP}_{\underline{f}} \underline{fhfVf2f} \\ \underline{fhfVfSfP}_{\underline{f}} \underline{fhfXf2f} \\ \underline{fhfVffs} \\ \underline{fhfVffs} \\ \underline{fhfVffs} \\ \underline{fhfVffs} \\ \underline{fhfVffs} \\ \underline{fhfVffs} \\ \underline{fhfVfs} \\ \underline$

67

$$\label{eq:linear_expansion} \begin{split} & ELSAfOf\%ftfBfbfN f{[][fh,lf]][fNfXfe][fVf‡f"fNf‰fX,l3DfOf‰ftfBfbfN fAfNfZf & f@][fVf‡f",Æ]A'f]]^\circ,c,\mu,], `¬,È2DfpftfH[][f}f"fX,ð—¼—§,·,é],]«"\,lfOf‰ftfBfbfN fvf]fZfbfT,ð'•"õ,\mu,Ä,¢,Ü,·]B \end{split}$$

, $\frac{1}{2}$,¢,Ä,¢,Ì[]ê[]‡,ÍffftfHf<fg,Ì[]Ý'è,ð•Ï[]X,·,é•K—v,Í,È,¢,Å,µ,å,¤[]B,µ,©,µ^ê•",Ì3D/ OpenGLfAfvfŠfP[[fVf‡f",Å,Í[]Afhf‰fCfo,Ì3D[]Ý'è,Ì•Ï[]X,ª•K—v,Å,·[]B

 $fAfvfŠfP[[fVfff", \delta[]Å"K‰», \cdot, é[]Å, àŠÈ'P,È•û-@, I[]AApplication \\Settingsft[][fefBfŠfefB,ª'ñ<Ÿ, \cdot, é^ê~A, Ìf\ftfgfEfFfA—p[]Ý'è, Ì, ¤, ¿, Ì1, Â, ð'l'ð, ·, é, ±, Æ, Å, ·]B'å•"•ª, Ìft[][fU[][,É,Æ,Á,Äfhf‰fCfo, ÌfRf"fgf[][][f<,I[]A,±, ÌfŠfXfg, ©, ç'l'ð, ·, é, ±,Æ,Å[]$ •ª, Å, ·]B

 $\label{eq:elsa_application_settingsft[[fefBfŠfefB,lWindows,lfRf"fgf]][f< fpflf<, É, , é[‰æ-Ê]fAfCfRf", ©, cfAfNfZfX, Å, «, é[‰æ-Ê, lfvf][fpfefB]f{fbfNfX, l[AppSet]fvf][fpfefB]fV][fg, É"o~^, ³, ê, Ü, ·]B$

<u>fCf"fXfg∏lf<fKfCfh</u>,É'±, <u>−ÚŽŸ</u>,É-ß,é



'Ê□í□ĂEĹSĂ *Application Settings*,ÍELSAfOf‰ftfBfbfN fhf ‰fCfo,Æ"⁻Žž,ÉŽ©"®"I,ÉfCf"fXfg□[f<,³,ê,Ü,·□BfCf"fXfg□[f<,Ì□¬"Û,Í□A[‰æ– Ê,Ìfvf□fpfefB]f{fbfNfX,Ìfvf□fpfefB fV□[fg,ðŠ],¢ ,Ä,Ý,ê,Ίm,©,ß,ç,ê,Ü,·□BELSA,Ìf□fSf}□[fN,Ì•t,¢,½[*AppSet*],Æ,¢,¤-¼'O,Ìf^fu,³,»,±,É, ,é,Í,¸,Å ,·□B

Application Settings, If } fjf...fAf< fCf"fXfg[[f<

ELSA Application Settingsf†[[[fefBfŠfefB,ĺ[]AfffBfXfvfŒfCfhf‰fCfo,Æ-§[]Ú,ÉŠÖŒW,μ,Ä,¢, ,Ü,·[]B

,æ,Á,Ä□Af}fjf...fAf<fCf"fXfg□[f<,ð□s,¤,Ì,Í"ñ□í,É,Ü,ê,ÈfP□[fX,Å,·□B,±,Ì□ê□‡□AApplication Settings,É'Ήž,µ,½fo□[fWf‡f",ÌfffBfXfvfŒfCfhf‰fCfo,ªfCf"fXfg□[f<,³,ê,Ä,¢,ć•K—v,ª, ,è,Ü,·□ B

- fffBfXfvfŒfCfhf‰fCfo<y,Ñ□A,»,Ì'¼,ÌfCf"fXfg□[f<□Ï,Ý,ÌELSAfc□[f<,Ìfo□[fWf‡f",Í□A*[ELSA Info]*fc□[f<,ÅŠm"F,·,é,±,Æ,ª,Å,«,Ü,·□B

ELSA Application Settingsft[[fefBfŠfefB,ðfCf"fXfg[[f<,·,é,É,Í[]A[GLSET.CAB],Æ,¢, ¤ftf@fCf<<y,Ñ[APPSxxx.INF],ÆŒ¾,¤-¼]Ì,ÌINFftf@fCf<,Ì2,Â,ª•K—

v,É,È,è,Ü,· Bxxx,Ì• "•ª,É,Í AfCf"fXfg [[f<,·,éfOf‰ftfBfbfNfXf{ [[fh,É,æ,Á,Ä^Ù,È,é-¼[],ª"ü,è,Ü,· B

$$\label{eq:interm} \begin{split} \mathsf{INFftf}@fCf <, &\delta & \mathsf{EfNf} \check{\mathsf{S}} \mathsf{fbfN}, \mu, & \mathsf{A} \Box \mathsf{A} \mathsf{fR} \mathsf{f} \mathsf{``fefLf} \mathsf{X} \mathsf{fgf} \Box \mathsf{fjf} \dots \Box [\,, @\,, c[\mathsf{f}C\mathsf{f} \mathsf{``f} \mathsf{X} \mathsf{fg} \Box [\mathsf{f} <] \\ , &\delta \mathsf{``l} \diamond \mathsf{h}, &\mathsf{A} \mathsf{fC} \mathsf{f} \mathsf{``f} \mathsf{X} \mathsf{fg} \Box [\mathsf{f} <, & \mathsf{d} \sqcup \mathsf{s}, ¢ \,, & \mathsf{U}, \cdot \Box \mathsf{B} \end{split}$$

<u>ft□[fU□[f}fjf...fAf<</u>,É'±, <u>-ÚŽŸ</u>,É-ß,é ,±,±,Å,ĺ <u>ELSA Application Settings</u> fy□[fW,ÌŽg,¢•û,É,Â,¢,ĉð□à,μ,Ü,·□B

Application Settingsfvf[]fpfefB fy[][fW

 $fRf"fgf[][[f < fpf]f <, Å[‰æ-Ê], \delta'1'\delta, ·, é, ©]A, à, \mu, , ĺfffXfNfgfbfv, Å$ $%Ef {f^f", ðfNfŠfbfN, \mu, Ä]A[fvf]fpfefB], \delta'1'\delta, \mu]A[‰æ Ê, Ìfvf]fpfefB]fV[[fg, ðŒÄ, Ñ]o, \mu, Ü, ·]B, ±, ÌfV][fg, Ì]ã • ", ÉŠefvf]fpfefB$ $fy[][fW, Ìf^fu,ª, ,è, Ü, ·]BELSA$ *GLoria* $, Ìf^fu, \delta'1'\delta, ·, é, ±, Æ, Å]AApplication$ Settingsfy][fW, ªfAfNfefBfu, É, È, è, Ü, ·]B

,±,Ìfy□[fW,ðŠJ,,Æ□A□ã•",É,¢,,Â,©,ÌfRf"fgf□□[f‹—pf{f^f",ª•\ަ,³,ê,Ü,·□B 伥",Í□A<u>□Ú□×□Ý'è</u>,Ì,½,ß,ÉŠm•Û,³,ê,Ä,¢,Ü,·□B,±,ê,ç,Ì□Ý'è,Í[□Ú□×]f{f^f",ª ‰Ÿ,³,ê,é,©□A□Ý'è,Ì•Ï□XŒã,É*Application Settings*f†□[fefBfŠfefB,ª<N"®,μ,½,Æ,«,É•\ ަ,³,ê,Ü,·□B

^ȉº,ÌfZfNfVf‡f",Å,Í□AfRf"fgf□□[f<,Å,«,é<@"\,Ì□Ú□×,É,Â,¢,Ä□à-¾,μ,Ü,·□B

fn_[fhfEfFfAfAfNfZf‰fŒ_[fVf‡f"

,±,ÌfXfCfbf`,Í[]AfQf‰jťfBfbfNfXf{[][fh,Ì3Dfn[][fhfEfFfAfAfNfZf‰fŒ][fVf‡f"(ffftfHf<fg) ,ðflf",É,·,é,½,ß,ÉŽg,¢,Ü,·]B,±,ÌfXfCfbf`,ª-³Œø,É,³,ê,é,Æ]AOpenGLfTf|[][fg,ĺf\ ftfgfEfFfA,ÅfRf"fgf]][[f<,³,ê,Ü,·,ª]A"ñ[],É'¬"x,ª'x,,È,è,Ü,·]B,Ü,½[AfQf ‰ftfBfbfNfXf{[][fh,Ì3Dfn][fhfEfFfA,ªfAfNfefBfu,É,È,Á,Ä,¢,é,É,à,©,©,í,ç,,]Af\ ftfgfEfFfAOpenGL,ªfŒf"f_fŠf"fO,ÉŽg—p,³,ê,é,Æ,¢,¤,±,Æ,ª,,è,Ü,·,ª]A,±,Ì,æ,¤ ,È]ê]‡,É,Í[]Afn][[fhfEfFfAfAfNfZf‰fŒ][fVf‡f",ªfTf|[][fg,³,ê,È,¢‰ð'œ"x,ÆApplication Settings,Ì'g]‡,¹,ª'1'ð,³,ê,Ä,¢,Ü,·]B"Á,É],‰ð'œ"x,Å,Í[]AftfŒ][f€ fofbftf@,ÍOpenGL,Ìfn][fhfEfFfAfAfNfZf‰fŒ][fVf‡f",É•K—v,ÈfofbfNfofbftf@,È,Ç,Ìf]]f,fŠ,ð]\ •ª,ÉŠm•Û,·,é,±,Æ,ª,Å,«,Ü,¹,ñ]B,±,Ì,æ,¤,È]ê]‡]Af_fuf<fofbftf@,ð•K v,Æ,·,éfAfvfŠfP][fVf‡f",ªf\ftgfEfFfAOpenGL,ÅŽÀ]]s,³,ê,é,±,Æ,É,È,è,Ü,·]BfVf"fOf<fofbftf@ fAfvfŠfP][fVf‡f",É,Â,¢,Ä,İfn][fhfEfFfAfAfNfZf‰fŒ][fVf‡f"OpenGL,É,æ,èŽÀ]]s,³,ê,Ü,·]B

Œ»[]Ý,Ç,ÌŽí—Þ,ÌOpenGL,ªŽÀ[]s,³,ê,Ä,¢,é,©,ðŠm,©,ß,é,É,Í[]A<u>ELSA Info</u>fc[[ʃ<,ðŽg—p,μ,Ä,-,¾,³,¢[]B

fAfvfŠfP[[fVf‡f" fŠfXfg

 $\begin{array}{l} \textit{Application Settingsft][fefBfŠfefB, I]A<u>D</u>U<u>|×</u><u>D</u>Y'è</u>, Å'è<`,³, ê, é'½]", I<u>D</u>Y'èfOf<<u>[[fv</u>,ð•Û'¶,µ,Ä,",,±,Æ,ª,Å,«,Ü,·]B,±,ê,ç,I]Y'èfOf<[[fv,Iޝ•Ê-¼,IfAfvfŠfP][fVf‡f"fŠfXfg,É•\$ ަ,³,ê,Ü,·]B, ,ç,ä,éfAfvfŠfP][fVf‡f",I"®]I,I]Å"K‰»,É—v<],³,ê,éfIfvfVf‡f",I,·,×,Ä,ð,±,±,É•Û'¶,µ,Ä,",,±,Æ,ª,Å,«,Ü,·]BELSA,I,¢,,Â,©,IfAfvfŠfP][fVf‡f",É'Î,µ,Ä]AŠù,É]Y'è,ð'è<`,µ,Ä,¢,Ü,·]B,±,ê,ç,Ifvf]fOf‰f€,I"®]I,I[AfŠfXfg,©,ç'Ήž,IfGf"fgfŠ,ð'I'ð,·,é,±,Æ,Å]Å"K $‰»,³,ê,Ü,·]B‰E,É•t,¢,½fXf‰fCf_,ðŽg,Á,Ä]AfŠfXfg$ $f{fbfNfX,ðfXfNf]][[f<,³,1,ê,Î]AfGf"fgfŠ,I,·,×,Ä,ª•\$ ަ,³,ê,Ü,·]BfCf"fXfg][f<Œã,ÉfAfNfefBfu,É,È,éffftfHf<fg,I'I,I]A[ELSA DefaultSettings]fOf<][fv,É,Ü,Æ,ß,ç,ê,Ä,¢,Ü,·]B

 $fAfvfŠfP[[fVf±f",É[]±,Á,¹/₂fGf"fgfŠ,ð'l'ð,µ,Ä]A[OK]f{f^f",ð %",µ[]A[]Ý'è,ðŽó,¯"ü,ê,é,©[]A[fLfff"fZf<]f{f^f",ð%"Y,µ,Ä]A'l'ð,ðŽæ,è[]Á,·,©,µ,Ü,·]]B,±,ê,Å[‰æ-Ê,Ìfvf[]fpfefB]f_fCfAf[]fO,^a•Â,¶,é,Í,_,Å,·]]Bf_fCfAf[]fO,ð]I—¹,µ,È,¢,Å[]A•Ï[]X,ðfAfNfefBfu,É,·,é,É,Í[]A["K—p],ð%"Y,µ,Ü,·]]B$

ŽŸ,É<",°,éfAfvfŠfP□[fVf‡f" fŠfXfg,Ì,·,®

<u>& 7</u>

[Ú[×

,±,̃{ƒ^f",ð‰Ÿ,¹,Î□A<u>□Ú□×□Ý'è</u>ƒ{ƒbƒNƒX,ªŠJ,«,Ü,·□B,±,±,ÅOpenGLƒvƒ□ƒOƒ‰ƒ€,É,Â,¢,Ä,̃hƒ ‰ƒCƒo,Ì"®□Ì,ð•Ï□X,·,é,±,Æ,ª,Å,«,Ü,·□B

,±

,Ìf{f^f",ĺfgfOf‹fXfCfbf`,É,È,Á,Ä,¨,è□A□Ä"xfNfŠfbfN,∙,é,Æ□A□Ú□×□Ý'èf_fCfAf□fO,ª•Â,¶,ç,ê,Ü ,·⊡B

′ljÁ

['Ç[^]‰Á]f{f^f",İ[fŠfXfg,Ö,Ì□V<KfIfvfVf‡f",Ì'ljÁ]f_fCfAf□fO,ðŠJ,«,Ü,·□BfAfvfŠfP□[fVf‡f" fŠfXfg,É•\ަ,³,ê,é,±,Æ,É,È,éfGf"fgfŠ,É'Î,·,éfefLfXfg,ð,±,±,Å"ü ĺ,µ,Ü,·□B(<u>□Ú□×□Ý'è</u>,ðŽQ□Æ,Ì,±,Æ□B□j[OK],ð ‰Ÿ,·,Æ□A,»,ÌfefLfXfg,ªŒ»□Ý,ÌfŠfXfg,Ì□ÅŒã,É□V,µ,¢□€-Ú,Æ,µ,Ä'ljÁ□A•\ ަ,³,ê,Ü,·□B[fLfff"fZf<],ð‰Ÿ,·,Æ□Af_fCfAf□fO,Í□I—¹,µ,Ä□A•Ĭ□X,ÍŽæ,è□Á,³,ê,Ü,·□B

∏í∏œ

-¼'O,Ì∙Ï]X

[-¼'O,Ì•Ï□X]f{f^f",Í[-¼'O•Ï□X,ÌfIfvfVf‡f"],ðŠJ,¢,Ä□AŠù'¶,Ì□Ý'è,É'Î,·,éŽ⁻•Ê-¼,ð•Ï□X,·,é,Ì,ÉŽg,¢,Ü,·□B[OK],ÅfŠfXfg,ÌfGf"fgfŠ-¼,ª•Ï□X,³,ê□A[fLfff"fZf<] ,Å,»,Ì•Ï□X,ªŽæ,è□Á,³,ê,Ü,·□B ,±,Ìf{f^f",Íf†□[fU□['è<`,ÌfAfvfŠfP□[fVf‡f",ª'I'ð,³,ê,Ä,¢,é□ê□‡,ÉŒÀ,Á,ÄfAfNfefBfu,É,È,è,Ü,·□B

ffftfHf<fg

Ĵ{Ĵ^Ĵ",ðĪŊĴŠfbfN,∙,é,±,Æ,Å□Afhf‰fCfo,Ì□Ý'è,ð•W□€'l,É−ß,µ,Ü,·□B ,±,Ìf{f^f",Í□AELSAffftfHf<fg□Ý'è,ª"K—p‰Â"\,È□€−Ú,ª'l'ð,³,ê,Ä,¢ ,é□ê□‡,ÉœÀ,Á,ÄfAfNfefBfu,É,È,è,Ü,·□B

[]Ú[]×[]Ý'è

[□Ú□×]f{f^f",ª'l'ð,³,ê,é,Æ□AŠe<u>fOf‹□[fv</u>,É'Î,·,éfGf"fgfŠ,Ì□Ú□×,ª•\ަ,³,ê,Ü,·□BŽŸ,É‹",°,é□A,± ,ê,ç,Ì□€-Ú,Í□V‹K,ÌfGf"fgfŠ,ð□ì□¬,µ,½,è□AŒ»□Ý,Ì□Ý'è,ð•Ï,¦,é,½,ß,É□A"K‹X•Ï□X,·,é,± ,Æ,ª,Å,«,Ü,·□B

[JÚ]×[JÝ'è,ÌŽg—p∙û-@

'½,,)fJfvfVf‡f<sup>[¬],Í□Â2Ží—Þ,Ì□ó'Ô,ðŽ□,Á,Ä,¢,Ü,·□BON,à,µ,,Í—LŒø□AOff,à,µ,,Í-³Œø□A,Æ,¢ ,¤□ó'Ô,Å,·□B,±,Ì□ó'Ô,É,Í□A^ȉº,Ì,æ,¤,ÈfVf"f{f<,ªŠ,,,è"-,Ä,ç,ê,Ä,¢,Ü,·□B</p>
IIIII
(y,Ñ</sup>

,à,μ□A,»,ÌflfvfVf‡f",ªfOf‰ftfBfbfNfXf{□[fh□A,à,μ,,ÍŒ»□Ý,ÌfffBfXfvfŒfCf,□[fh,ÅfTf| □[fg,³,ê,Ä,¢,È,¢□ê□‡□A,»,ÌflfvfVf‡f",Í^ȉº,Ì,æ,¤,É-³Œø,É,È,Á,Ä,¢,Ü,·□B □ !!!!!

fsfNfZf<ftfH[[f}fbfg

f_fuf<fofbftf@

, , ±, ÌfXfCfbf`, Åfhf‰fCfo,É'Î,μ,Äf_fuf< fofbftf@,ÌfTf| □[fg,ªŽw'è,³,ê,Ü,·□Bf_fuf<fofbftf@,ªfAfNfefBfu,É,³,ê,é,Æ□AftfŒ□[f€ fofbftf@,ĺ2,Â,Ì•"•ª,É•ªŠ,,,³,ê,Ä□A'æ1,Ìfofbftf@(ftf□f"fgfofbftf@),Í•\ަ p,É□A'æ2,Ìfofbftf@(fofbfNfofbftf@),ĺfŒf"f_fŠf"fO—p,ÉŽg,í,ê,Ü,·□B,± ,ê,É,æ,èfAfjf□□[fVf‡f",Ì,¿,ç,Â,«,ª,È,,È,è,Ü,·□B'å•"•ª,ÌOpenGLfAfvfŠfP□[fVf‡f",Å,ĺ□A,± ,ÌfXfCfbf`,ðfAfNfefBfu,É,·,é•K—v,ª, ,è,Ü,·□B^ê•",Ì□,‰ð'œ"xfAfvfŠfP□[fVf‡f",Å,ĺ□Afhf ‰fCfo,É,æ,éf_fuf<fofbftf@,Ì□Ý'è,ª,Å,«,È,¢,±,Æ,ª, ,è,Ü,·□B,±,Ì,æ,¤,È□ê□‡,É□A,± ,ÌfXfCfbf`,ðfZfbfg,·,é,Æ□A'á'¬,Èf\ftfgfEfFfAOpenGL,ªŽg—p,³,ê,é,±,Æ,É,È,Á,Ä,µ,Ü,¢,Ü,·□B

3DfEfCf"fhfE,ÉGDI[]',«[]ž,Ý,ð<-‰Â

,±,ÌfXfCfbf`,ð—LŒø,É,·,é,±,Æ,Å□AOpenGLfrf...□["à,ÉGDIŠÖ□",É,æ,é•`‰æ,ð‰Â"\,É,·,é'Ç ‰Á,ÌfsfNfZf<ftfH□[f}fbfg,ð'ljÁ,·,é,± ,Æ,ª,Å,«,Ü,·□B(PFD_SUPPORT_GDI)^ê•",ÌfAfvfŠfP□[fVf‡f",Å,Í□A,±,ÌfXfCfbf`,ÌfZfbfg,ª•K v,Å,·□B

fAf<ftf@fvfŒ[[f"

ĴAĴ<ĴtſġſĴſſſ"flſ<,ĺ□F□Ê,Ì□¬□‡,Æ"§-¾Š´,ð•\ Œ»,·,é,½,ß,ÉŽg,í,ê,Ü,·□BOpenGLfAfvfŠfP□[fVf‡f",ª,±,ÌfAf<ftf@'I,ðŽg—p,µ,Ä,¢ ,È,¢□ê□‡,Í□A,±,ÌfXfCfbf`,ªfAfNfefBfu,É,³,ê,Ä,à□AfJf‰□[ŒvŽZ,ª□s,í,ê,é,Ì,Í□Ô□A— Î□A□Â,ÉŒÀ,ç,ê,Ü,·□B

fl[[fo][fŒfCfvfŒ][f"

fl□[lfo□[lfŒfCfvfŒ_[lf", ΕW□€f]f‰[[(RGB)fofbftf@,É•t,⁻‰Á,¦,c,ê,éfpfŒfbfg-Ê,Æ,µ,ÄŽg p,³,ê,Ü,·□Bfl□[fo□[fŒfC,lf□fjf...□[,âf]□[f\f<,Ì,æ,¤,È3DfCf□□[fWŽ©'Ì,©,c,l"Æ—§,µ,½•`‰æ— Ì^æ,É'Î,µ,Ä"Á,É—L—p,Å,·□Bfl□[fo□[fŒfCfvfŒ□[f",l□ATrueColorf,□[fh(32frfbfg),Å,Ì,ÝŽg—p ‰Â"\,Å,·□B,±,Ì□ê□‡□A,±,ÌfXfCfbf`,ðfZfbfg,·,é,Æ□AAlphaf`fff"flf<,É'Ê□ĺŽg,í,ê,Ä,¢ ,éfofCfg'l,ðfl□[fo□[fŒfCfvfŒ□[f",ɕϊ·,µ,Ü,·□B (Softimage,Ì,æ,¤ ,È)^ê•",ÌfAfvfŠfP□[fVf‡f",ĺfl□[fo□[fŒfCfvfŒ□[f",ð•K—v,Æ,µ,Ü,·□B

fXf_fbfv fŒfCf,,_[[fofbftf@

 $\begin{array}{l} fl [\[f \sigma] [\[f \sigma] [\[f \sigma] [\[f \sigma] [\] f \sigma] [\] f \sigma] [\[f \sigma] [\[f \sigma] [\] f \sigma] [\] f \sigma] [\[f \sigma] [\] f \sigma] [\] f \sigma] [\[f \sigma] [\] f \sigma] [\] f \sigma] [\] f \sigma [\] f \sigma [\] f \sigma] f$

fXfefŒflf,[[fh

wtl="sfvfffbf"][f0f%fX,ðžg—p,μ,ÄfXfefŒfl'î%žfAfvfŠfP[[fVf‡f",ðžÀ[]s,·,é[]Û,É,Í[]Afhf %fCfo'¤,ÅfXfefŒfl—p,ÌfsfNfZf‹ftfH][f}fbfg,ð—LŒø,É,μ,È,¯,ê,Î,È,è,Ü,¹,ñ]B ,Ü,½]A-Ú,É—D,μ,¢fffBfXfvfŒfCf,[][fh,ðžg—p,·,é,½,ß,É]A,æ,è],,¢fŠftfŒfbfVf... fŒ][fg,ð'1'ð,Å,«,Ü,·]B '[]^O[]FfXfefŒfl'î%žfsfNfZf‹ftfH][f}fbfg,Í[]A•K—v,È,Æ,«^ÈŠO,Í'1'ð,μ,È,¢,æ,¤,É,μ,Ä,-,¾,³,¢[]B,¢,,Â,©,ÌfAfvfŠfP[[fVf‡f",É,¨,¢,Ä,Í]A•K—v,Æ,μ,È,¢ ,É,à,©,©,í,ç, ŠÔ^á,Á,ÄŽ©"®''I,ÉfXfefŒfl'î%ž,ÌfsfNfZf‹ftfH][f}fbfg,ðŽæ''¾,μ,Ä,μ,Ü,¤,± ,Æ,ª, è,Ü,·]B,Ü,½]AfXfefŒfl'î%ž,ÌfsfNfZf‹ftfH][f}fbfg,Ì]ê[]+,É,Í[]Afhf %fCfo,Í•]]'i,Æ^Ù,È,Á,½f][f,fŠŠ,,è"-,Ä,ð][s,Á,Ä]AfXfefŒflfAfvfŠfP][fVf‡f",Æ'Ê][í,ÌfAfvfŠfP][fVf‡f",ð"⁻Žž,ÉŽÀ]]s,Å,«,é,æ,¤ ,É,μ,Ü,·,ª]Aftf][f'fgfofbftf@,ÆfofbfNfofbftf@'0•û,É]',«]ž,Ý,ð][s,¤,æ,¤

,ÈfAfvfŠfP□[fVf‡f",Í□A<Z□p"I,È□§ŒÀ,©,ç"®□ì,³,¹,é,±,Æ,ª,Å,«,È,,È,è,Ü,·□B

fXf[]fbfvfofbftf@

fofbftf@fufŠfbfg,ð<[]§ŽÀ[]s

f_fuf<fofbftf@[]A,Â,Ü,èftf[]f"fg,ÆfofbfN,Ì—¼fofbftf@ŠÔ,Å,Ì]Ø,è'Ö,¦,É'Î,µ,Ä]A'Ê]í[]Afhf ‰fCfo,Í,Å,«,éŒÀ,è],'¬,È•û-@,ðŽg—p,µ,æ,¤,Æ,µ,Ü,·]Bfy][[fW]Ø,è'Ö,¦,Í]A'P]f,É•\ ަ,³,ê,éfy][[fW,¾,⁻,ª]Ø,è'Ö,¦,ç,ê,é,Æ,¢,¤•û-@,Å,·,ª]A,»,ê,É'Î,µ,ÄfrfbfgfufŠfbfg,ðŽg,Á,Äff][[f^,ðfRfs][,·,é•û-@,ðŽg—p,·,é,±,Æ,à, ,è,Ü,·

□Bfy□[fW□Ø,è'Ö,¦,ðŽg—

p,·,é[]ê[]‡,É,Í[]Affi][f^,Ĩªftf]]f"fg[]AfofbfNfofbftf@,Å[]®[]‡[]«,ªŽæ,ê,Ä,¢,é•K—v,ª, ,è,Ü,·[]B,È,º, È,ç[]A^ê•",ÌfAfvfŠfP[][fVf‡f",Å,Í[]A3D•\ަ,É[]A2D (GDI),Æ3D (OpenGL),ÌfRf}f"fh,ª<¤,ÉŽg p,³,ê,Ä,¢,é,İ,Å[]A,±,Ì,æ,¤,È[]®[]‡[]«,ª•Û[]Ø,³,ê,È,¢,©,ç,Å,·[]B ,±,Ì,æ,¤ ,È[]ê[]‡,É[]A^À'S,Å,·,ª'á'¬"x,Ìfofbftf@fufŠfbfg-@,ðfAfNfefBfu,É,·,é,±,Æ,É,È,è,Ü,·[]B

□,'¼"⁻Šú,ð'Ò,Â

fy□[fW□Ø,è'Ö,¦,È,Ç,ÌfAfNfVf‡f",Í□Af,fjf^,Ì□,'¼fuf‰f"fN,Æ"⁻Šú,µ,Ä,¢,Ü,·□B,±,ê,͉æ– Ê,ÌfefBfAfŠf"fO,ð–hŽ~,µ,Ä,,ê,Ü,·,ª□A,±,Ì,Æ,«ftfŒ□[f€fŒ□[fg,ÆfŠftfŒfbfVf... fŒ□[fg,ª"⁻Šú,µ,Ä,¢,é,Ì,Å□AfAfjf□□[fVf‡f",ð•\ަ,·,é□ê□‡,É,IfpftfH□[f}f"fX,ª'[~],µ,'á‰,µ,Ü,·□B ‰æ–Ê,ÌfefBfAfŠf"fO,ª<N,«,é,æ,¤,Å,µ,½,ç□A,±,Ìf{f^f",ðfAfNfefBfu,É,µ,Ä□A□,'¼fuf ‰f"fN"à,É,·,×,Ä,ÌfAfNfVf‡f",ª□s,í,ê,é,æ,¤,É,µ,Ü,·□B

GDI•`‰æ,ðfofbfNfofbftf@,É"½‰f

Windows,ÌGDI ĀPI,Í[Ā/Ē]í,ÍOpenGL,ÅŽg—p,³,ê,Ä,¢,éfofbfNfofbftf@,ðŠÇ—],Å,«,Ü,¹,ñ[B3Dfrf...]["à,Å2DfRf}f"fh,ðŽg—p,•,é,¢,-,Â,©,ÌfAfvfŠfP[[fVf‡f",Å,Í[AGDI,Å•`,©,ê,½ŠG,ªfofbfNfofbftf@,É,à"½‰f,³,ê,Ä,¢,é•K—v,ª,, è,Ü,·[]B,±,ÌfXfCfbf`,ðŽg—p,•,é,± ,Æ,Å[A2DfRf}f"fh,ÍOpenGL,ÌfofbfNfofbftf@,É,à"`,¦,ç,ê,Ü,·[]B0penGLfEfCf"fhfE,ÌŠO'¤,Ì2D— Ì~æ,ÉŠÖ,µ,Ä,Í[A,C,Ì,æ,¤,È]]ê[]‡,Å,àfhf‰fCfo,ªŠÇ—[],µ,Ä,¢,Ü,·[]B

fAfvfŠfP[[fVf‡f""Á—L,Ì[Ý'è

Unix OpenGL∏€<'

"⁻,¶OpenGL,É,µ,Ä,à□Afvf‰fbfgftfH□[f€,É,æ,Á,Ä•`‰æ"®□ì,Í,³,Ü,´,Ü,Å,·□B2,Â,Ìf|fŠfSf",Ì ‰□,ª□d,È,é,Æ,±,ë,ÌfsfNfZf<,Í□AfŒf"f_fŠf"fO,³,ê,é□ê□‡□A2"x•`,©,ê,Ä,Í,¢ ,⁻,Ü,¹,ñ□B,»,ê,Å,Ç,Ìf|fŠfSf",ª,Ç,ÌfsfNfZf<,ð□uŽæ,é,©□v,Æ,¢,¤Œ^'è,ª,³,ê,Ü,·□B—á,¦,ÎMicrosoft Windows,Ìfvf‰fbfgftfH□[f€,Í□A'•ûŒ`,̉E‰^Q,ÌŠp,Í•`,©,ê,Ü,¹,ñ□BSoftimage 3.01,Å,Í□A'·•ûŒ`,Í□AUNIX OpenGL,É□€,¶,Ä•`,©,ê,Ü,·□BSoftimage 3.01,ðŽg,Á,Ä,¢ ,é□ê□‡□A,±,ÌfXfCfbf`,ðfAfNfefBfu,É,µ,Ü,·□B

3DStudio MAX ∏ê—p

,±,ÌflfvfVf‡f",^à'l'ð,³,ê,Ä,¢,é,Æ,«,É,Í□A3D Studio MAX 1.x/VIZ,Æ□A,»,Ì'¼,ÌOpenGLfAfvfŠfP□[fVf‡f",Í"⁻Žž,ÉŽÀ□s,Å,«,Ü,¹,ñ□B,Ü,½□A,±,ÌflfvfVf‡f",^à-³ο,É,È,Á,Ä,¢,é,Æ,«,É□A3D Studio MAX,Æ'¼,ÌOpenGLfAfvfŠfP□[fVf‡f",ð"⁻Žž,ÉŽÀ□s,·,é,Æ□A3D Studio MAX'¤,Å•\ަ,É-â'è,^a<N,± ,é,±,Æ,^a, ,è,Ü,·□B,±,Ì-â'è,Í□A3D Studio MAX□ã,Å,Ìf\ftfgfEfFfAfhf ‰fCfo,Æfn□[fhfEfFfAfAfNfZf‰fŒ□[fgfhf‰fCfo,Ì^á,¢,É,æ,Á,Ä□¶,¶,Ü,·□B

fŠfjfA fefNfXf`fff}fbfsf"fO

fefNfXf`ff,ª'å,«,,È,é,Æ,«□A—á,¦,Î□AfY□[f€fAfbfv,·,鎞,È,Ç,É□A2,Â, ,é•⊮•û-@,Ì,¤ ,¿,Ì1,Â,ªŽg—p,³,ê,Ü,·□B[Nearest neighbor],ÆŒ¾,í,ê,é•û-@,Í□A'P□f,É<ß□Ú,·,éfsfNfZf<,ð,ðŽQ□Æ,µ,Ä□A"⁻,¶□F,ðŽg—p,µ,Ü,·□B^ê•û□A[Linear interpolation],ÆŒ¾,í,ê,é•û-@,Í□AŽü,è,ðŽæ,è^Í,ÞfsfNfZf<,Ì□F,ð•⊮,µ,ÄŽg—p,µ,Ü,·□BfŠfjfA fefNfXf`fff}fbfsf"f0,ðŽg—p,·,é,Æ□A,»,ê,É,æ,Á,Ä'½□fXfs□[fh,ª'á‰⁰,µ,Ü,·,ª□A•\ ަ,³,ê,éŒ<‰Ê,Í,æ,èfŠfAf<,È,à,Ì,Æ,È,è,Ü,·□B

SI 3.5x/3.7x,Ö,Ì□Å"K‰»

,¢,,Â,©,ÌOpenGLfAfvfŠfP[[fVf‡f",Í[]Af_fuf<fofbftf@,ÌOpenGLfEfCf"fhfE[]ã,É[]AGDIŠÖ[]",ðŽg p,µ,Äf[]fjf...[][,âf_fCfAf[]fOf{fbfNfX,ð•`‰æ,µ,Ü,·[]B,± ,ÌfXfCfbf`,ªfAfNfefBfu,É,³,ê,é,Æ[]Aftf<fXfNfŠ[][f"f,[][fh,Å"®[]ì,·,éfAfvfŠfP[[fVf‡f"[]ã,ÌGDI•` ‰æ,Í[]Aftf[]f"fg<y,ÑfofbfNfofbftf@,É"⁻Žž,É[]s,í,ê,Ü,·[]B,± ,Ì"®[]ì,ĺfn[][fhfEfGfA,ÅŽÀ[]s,³,ê,é,Ì,Å[]AfpftfH[][f}f"fX,Ì'ቺ,Í, ,è,Ü,¹,ñ[]BSoftimage 3.5x/3.7x,Ì,æ,¤,ÈfAfvfŠfP[][fVf‡f",Å,Í[]A,±,ÌfXfCfbf`,ðfAfNfefBfu,É,·,é•K—v,ª, ,è,Ü,·]]B

fNfIfŠfefB / fpftfH[[f}f"fX

ftf@[[fXfgfNfŠfAfvfŒ][f"

ftf@[[fXfgfNfŠfAfvfŒ[[f",lfffvfX fofbftf@(Zfofbftf@),Ì[],'¬[Á‹Ž,ÉŽg—p,³,ê,Ü,·[BELSAfOf ‰ftfBfbfNfXf{[[[fh[]ã,Å[]A,±,ÌfffvfX fofbftf@,ĺDRAM,É'u,©,ê,Ä,¨,è[]A^ê•ûfJf ‰[[fofbftf@(ftfŒ][f€ fofbftf@)

,ÍVRĂM"ả,É, ,ě,Ü,·□BVRAM,ð□Á<Ž,·,é,Ì,ÍDRAM,Ì,»,ê,É"ä,×,Ä□"'i□,'¬,Å,·□B ŽžŠÔ,ð□ßñ,·,é,É,Í□A•"•ª"I,ÉDRAM,ð□Á<Ž,·,é,µ,©,,è,Ü,¹,ñ□B,»,ê,Å□A,Ç,ÌfsfNfZf<,ð□Á<Ž,·,é,©,ð'è<`,·, é,æ,¤,È□î•ñ,ð•Û'¶,µ,Ä□AfAfjf□□[fVf‡f",ÌŽÀ□s'†,É□',«□ž,Ü,ê,éf□f,fŠ—Ê,ðŒ¸,ç,µ,Ü,·□B,± ,ÌfXfCfbf`,Í•□'ÊfAfjf□□[fVf‡f",Å,Ì•`‰æ□«"\

,ðfXfs□[fhfAfbfv,·,é,½,ß,ÉfZfbfg,³,ê,Ü,·□BOpenGLfAfvfŠfP□[fVf‡f",ª(Microsoft,ÌOpenGLfn□[fhf EfFfAŒÝŠ·□«fefXfg,Ì,æ,¤,É)fofbfN fffvfX fofbftf@,Ì□î•ñ,ð"Ç,ÝŽæ,é•K—v,ª, ,é□ê□‡,É,Í□A,± ,ÌfXfCfbf`,Í-³Œø,É,µ,Ü,·□B

fAf"f`fGfŠfAfVf"fO(f‰fCf")

,±,ÌfXfCfbf`,É,æ,è□APERMEDIA 2f`fbfvfZfbfg,ðŽg,Á,½fOf‰ftfBfbfN fAf_fvf^□ã,Å□Af‰fCf" fAf"f`fGfŠfAfVf"fO,ðfTf|□[fg,·,é,½,ß,ÉfffUfCf",³,ê,½<@″\,ª—~—p,Å,«,é,æ,¤,É,È,è,Ü,·□B,± ,ÌfXfCfbf`,ðfZfbfg,·,é,Æ□A□ü,ÌfMfUfMfU,µ,½ŠOŒ©,ªŠŠ,ç,©,É,È,è,Ü,·□B,½,¾,µfŒf"f_fŠf"fO ,ÌŽ¿,ª□,,Ü,é,±,Æ,Å□AfŒf"f_fŠf"fO'¬"x,Í′ቺ,µ,Ü,·□B f□f,:,±,ÌfXfCfbf`,íGLoria SynergyfAf_fvf^,ÉŒÀ,Á,ÄŒø‰Ê,ª, ,è,Ü,·□B

f~fbfvf}fbfsf"fO

[],,¢fŒf"f_fŠf"fOfNfIfŠfefB,ðŽÀŒ»,·,é,½,ß,É□AfefNfXf`fff}fbfv,Í•¡□",Ì^Ù,È,éfTfCfY,ŕۑ¶,³, ê,Ü,·□B(f~fbfvf}fbfvfŒfxf<),± ,ê,ç,ÌfefNfXf`fff}fbfv,Í□ÄŒvŽZ,³,ê□A□Å□I"I,É,»,ê,¼,ê,ÌfsfNfZf<,É"\ ,ç,ê,Ü,·□Bf~fbfvf}fbfv<@"\,ð-³Œø,É,·,é,±,Æ,Å□AfefNfXf`fff□f,fŠ,ÌŽg—p—Ê,ð□팸,µ□AfOf ‰ftfBfbfNfXf{□[fh,ÌŒvŽZŽžŠÔ,ð'Z□k,·,é,±,Æ,ª,Å,«,Ü,·□B

fefNfXf`ff,Ì^³]k

□F□",ðŒ,□

fefNfXf`ff,İ□A24Bit,â32Bit,ÌftfH□[f}fbfg,ðŽg—p,¹, , ,É□A16Bit,ÉŒ,□F,µ,ĕۑ¶,³,ê,Ü,·□B Auto:Œ»□Ý,Ì□F□",ɉž,¶,Ä□AŽ©"®"I,ÉŒ,□F,³,ê,é On:ftf<fJf‰□[,ÌfefNfXf`fff}fbfv,Í□í,ÉŒ,□F,³,ê,é Off:ftf<fJf‰□[,ÌfefNfXf`fff}fbfv,Í□í,ÉŒ,□F,³,ê,,□A□Å□,,ÌfNfIfŠfefB,ð•Û,Â

^³∏k″ä

fOj[®]ftfBfbfNfXf{[[fh[ã,É,æ,è'½,,ÌfefNfXf`fff}fbfv,ð•Û'¶,·,é,½,ß,É[]A‰Â"\ ,ÈŒÀ,èfefNfXf`fffTfCfY,Ì^³[]k,ð[]s,¢,Ü,·[]B[],,¢^³[]k—¦,Ì[]ê[]‡,É,Í[]AfNfIfŠfefB,ª'½[]-<][]µ,É,È,è,Ü,·,ª[]A'½[]],'¬,É,È,è,Ü,·[]B

fNfCfbfNfXfCfbf`

 $[fNfCfbfNfXfCfbf`'l'\deltafŠfXfg], \mathcal{E}, \equal (fVfZfbfNfXfCfbf)`'l'\deltafŠfXfg], \mathcal{E}, \equal (fVfZfbfNfXfCfbf)`'l'\deltafŠfXfg], \equal (fVfZfbfNfX''), \equa (fVfZfbfNfXfbfNfX''), \equa (fVfZfbfNfX$

WINman Suite"à, IApplication Settings

WINman Suite,É,æ,Á,Ä□AApplication Settings"à,ÌfAfvfŠfP□[fVf‡f"fŠfXfg,É,·,Î,â,fAfNfZfX,·,é,±

,Æ,ª‰Â"\,É,È,è,Ü,·□B,±,Ìf†□[fefBfŠfefB,Í□Af^fXfNfo□["à,ÌWINman SuitefAfCfRf" ,ðfNfŠfbfN,·,é,¾,⁻,Åf|fbfvfAfbfvf□fjf...□[,ªŒ»,í,ê€'82±,©,çApplication Settingsf_fCfAf□fO,ðŒÄ,Ñ□o,·,± ,Æ,â□Afwf<fv,ðŒÄ,Ñ□o,µ,½,è□AfŠfXfg,©,çfAfvfŠfP□[fVf‡f",ð'I'ð,·,é,±,Æ,ª‰Â"\,Å,·□B,± ,Ìf□fjf...□[,É•\ަ,³,ê,éfAfvfŠfP□[fVf‡f"fŠfXfg,Í□AApplication Settings"à,Ì<u>fNfCfbfNfXfCfbf`f</u>fCfAf□fO"à,Å'I'ð,µ,½,à,Ì,É,È,è,Ü,·□B

 $f = f_{j} = \frac{1}{2} \int \hat{e}^{n} \hat{e}^{$

<u>fgf‰fuf<fVf...□[fefBf"fO</u>,É'±, <u>–ÚŽŸ</u>,É–ß,é



fn[[fhfEfFfA fAfNfZf‰fŒ[[fVf‡f",ð—LŒø,É,Å,«,È,¢

fn[][fhfEfFfAfAfNfZf‰fŒ[][fVf‡f"fRf"fgf[][][f<, a 'l'ð,Å,«,È,¢[]ê[]‡[]AfffBfXfvfŒfCfhf ‰fCfo,Í**Œ**»[]**Ý,ÌfffBfXfvfŒfCf,**][**[fh**,ÅOpenGL,Ìfn[][fhfEfFfAfAfNfZf‰fŒ][fVf‡f",ðfTf] [][fg,µ,Ü,¹,ñ[]B,±,ê,É,Í[]A^ȉ^a,Ì,æ,¤,È—[]—R,^a<",°,ç,ê,Ü,·[]B

 ,¢,,Â, ©,ÌELSAfOf‰ftfBfbfNfXf{□[fh,Í□A8Bpp(256□F)f,□[fh,Å□A3DfAfNfZf‰fŒ□[fVf‡f",ðfTf] □[fg,µ,Ü,¹,ñ□B

 "ñ□í,É□,,¢‰ð'œ"x,ð'l'ð,µ,Ä,¢,é,É,à,©,©,í,ç, □Af_fuf‹fofbftf@,ð□s,¤,½,ß,É□\•ª,È— Ê,Ìfrffflf□f,fŠ,ª,È,¢□ê□‡□B-w,Ç,ÌOpenGLfAfvfŠfP□[fVf‡f",ĺf_fuf‹fofbftf@,ð•K v,Æ,·,é,½,ß□A,±,Ì,æ,¤,È□ê□‡,ÉfffBfXfvfŒfCfhf‰fCfo,ª3Dfn□[fhfEfFfAfAfNfZf ‰fŒ□[fVf‡f",ð-³Œø,É,µ,Ü,·□B ,±,Ì,æ,¤,È□ê□‡□A‰ð'œ"x,à,µ,,í□F□",ðŒ,,ç,µ,Ä,Ý,Ä,,¾,³,¢□B

fAfvfŠfP[[fVf‡f"[]Ý'è,ª'l'ð,³,ê,Ä,¢,È,¢

,±,ê,Í[]A[fn[][fhfEfFfAfAfNfZf‰fŒ[][fVf‡f"]flfvfVf‡f",ª'I'ð,³,ê,Ä,¢,È,¢[]ê[]‡,É<N,±,è,Ü,·[]B,± ,Ì[]ê[]‡[]AWindows•W[]€,ÌfyftfgfEfFfAOpenGL,ª—LŒø,É,È,è[]A*ELSA Application Settings* ,ÍfRf"fgf[][[f<,Å,«,È,,È,è,Ü,·[]B

 $,\pm,\check{l},\varpi,\varkappa,\check{E}_\hat{e}_\ddagger A[fn_[fhfEfFfAfAfNfZf‰fC_[fVf\sharpf"]flfvfVf\sharpf",ð-LCeø,É,\mu,Ä,,¾,³,¢_B$

flfvfVf‡f",ð∙Ï□X,Å,«,È,¢

,±,ÌflfvfVf‡f",ĺ,²Žg—p'†,ÌfOf‰ftfBfbfNfXfhf‰fCfo,Å,ĺfTf|[[[fg,³,ê,È,¢‰Â"\[]«,ª[],,¢,Å,·[]B,±,Ì,æ,¤,È[]ó'Ô,ĺ[]A^ȉ^o,Ì,æ,¤,È[]ó<µ,Å<N,±,è,Ü,·:

- ,¢,,Â,©,ÌflfvfVf‡f",Í□A'S,Ä,ÌfOf‰ftfBfbfNfXf,□[fh,Å—LŒø,È,í,⁻,Å,Í, ,è,Ü,¹,ñ□ B([fAf<ftf@fvfŒ□[f"],Í□A32Bppf,□[fh,Å,Ì,Ý—LŒø,Å, ,è□A[fXfefŒflf,□[fh],Í□\
 •ª,ÈfffBfXfvfŒfCf□f,fŠ,ªŠm•Û,Å,«,é□ê□‡,Ì,Ý'I'ð‰Â''\,Å,·□B)
- ,¢,,Â,©,ÌflfvfVf‡f",Í□AfOf‰ftfBfbfNfXf{□[fh,É,æ,Á,Ä,ÍfTf|□[fg,³,ê,Ä,¢,È,¢,©□A•K v,Å,È,¢□ê□‡,ª, ,è,Ü,·□B

ELSA Application Settings, •\ަ, 3, ê, È, ¢

,±,Ì,æ,¤,È \mathbb{C} »[Û,Í[]A*ELSA Application Settings*,^a, ,È,½,ÌfOf‰ftfBfbfNfXf{[][fh,à,µ,-,ÍfffBfXfvfŒfCfhf‰fCfo,ÅfTf|[][fg,³,ê,Ä,¢,È,¢[]ê[]‡,É<N,±,è,Ü,·[]B fffBfXfvfŒfCfhf‰fCfo,Í[]A[]³,µ,¢f{[][fh,Æ,Ì'g,Ý[]‡,í,¹,Å,Ì,Ý" ® []ì,µ,Ü,·[]B

<u>-ÚŽŸ</u>,É-ß,é

ELSA Info,Í□AfffBfXfvfŒfCfVfXfef€'S″Ê,Ì□Ú□×,È□î•ñ,ðŒ©,é,±,Æ,Ì,Å,«,éfc□[f<,Å,·□B ,±,Ìfc□[f<,Í□Afhf‰fCfofCf"fXfg□[f<,Ì□Û,ÉŽ©"®"I,ÉfCf"fXfg□[f<,³,ê□A[‰æ– Ê,Ìfvf□fpfefB]f_fCfAf□fOf{fbfNfX"à,Ì[ELSA Info],©,çŽÀ□s,Å,«,Ü,·□B f_fuf<fofbftf@flfvfVf‡f",ð—LŒø,É,·,é,Æ□AftfŒ□[f€fofbftf@,ĺ•\,Æ—,Ì2,Â,É•ªŠ",³,ê□A•\ fofbftf@,ĺ•\ަ,ÉŽg—p,³,ê□A— fofbftf@,ĺfŒf"f_fŠf"fO,ÉŽg—p,³,ê,Ü,·□B,± ,ê,É,æ,è□A,¿,ç,Â,«,Ì,È,¢fAfjf□□[fVf‡f",ðŽÀŒ»,Å,«,Ü,·□B'½,,ÌOpenGLfAfvfŠfP□[fVf‡f",Å,Í□A,± ,ÌfXfCfbf`,ð—LŒø,É,·,é•K—v,ª, ,è,Ü,·□B ,±,ÌfXfCfbf`,ð—LŒø,É,·,é,Æ[]AfOf‰ftfBfbfNfXf{[][fh,Ì3Dfn[][fhfEfFfAfAfNfZf‰fŒ][fVf‡f"<@"\, a —LŒø,É,È,è,Ü,·[]B(ffftfHf<fg]]Ý'è) fXfCfbf`,ð-³Œø,É,·,é,Æ]]AOpenGL,Íf\ ftfgfEfFfA,É,æ,èŽÀ[]s,³,ê,Ü,·,Ì,Å[]A"ñ[]í,É'x,,È,è,Ü,·[]B ,²Žg—p'†,ÌELSAfOf‰ftfBfbfNfXf{□[fh,Í□AŒ»□ÝOpenGL,Ìfn□[fhfEfFfAfAfNfZf‰fŒ□[fVf‡f",ðfTf| □[fg,μ,Ä,¢,Ü,¹,ñ□Bf□fCf"f□fjf...□["à,ÌHELPfRf}f"fh,ðŽg—p,∙,é,±,Æ,Å□A,æ,è□Ú,μ,¢□î•ñ,ð"¾,é,± ,Æ,ª,Å,«,Ü,·□B *Application Settings*f†□[fefBfŠfefB,É,Í□A'½,,Ì□Ý'èfOf<□[fv,ð•Û'¶,·,é,±,Æ,ª,Å,«,Ü,·□B,± ,ê,ç,ÌfAfvfŠfP□[fVf‡f"□Ý'èfOf<□[fv,Í□AfAfvfŠfP□[fVf‡f"fŠfXfgf{fbfNfX,É•\ަ,³,ê,Ä,¢,Ü,·□B ,±,Ìf{f^f",ð‰Ÿ,µ□AfefLfXfgf{fbfNfX,É"ü—ĺ,∙,é,± ,Æ,Å□AfAfvfŠfP□[fVf‡f"fŠfXfg,É□V,µ,¢fGf"fgfŠ,ð'ljÁ,Å,«,Ü,·□B ,±,Ìf{f^f",Å□Aft□[fU□[,Ì□ì□¬,μ,½fAfvfŠfP□[fVf‡f"fGf"fgfŠ,ð□í□œ,·,é,± ,Æ,ª,Å,«,Ü,·□BELSA,ª□ì□¬,μ,½•W□€,ÌfGf"fgfŠ,Í□í□œ,·,é,±,Æ,ª,Å,«,Ü,¹,ñ□B ,±,Ìf{f^f",Å□AOpenGLfvf⊡fOf‰f€,Ìfhf‰fCfo□Ý'è,ð∙Ï□X,Å,«,é□Ú□×□Ý'è,Ìf{fbfNfX,ªŠJ,«,Ü,·□B

,±,Ìf{f^f",Å□A□ì□¬,µ,½flfvfVf‡f",ðELSA,Ì•W□€′I,É-ß,·,±,Æ,ª,Å,«,Ü,·□B

 $[fNfCfbfNfXfCfbf`'l'\deltafŠfXfg]f_fCfAf[]fO, @, c[]AWinman Suite"à, l[Display: ApplicationSettings], É[]o, Ä, -, éfŠfXfg, \delta • O[]W, Å, «, Ü, ·[]B, ±, l < @"\, lflf"f & fCf"fwf<fv, l[]A[fNfCfbfNfXfCfbf`'l'\deltafŠfXfg]f_fCfAf[]fOf {fbfNfX, @, cfAfNfZfX, Å, «, Ü, ·[]B & fCf"fwf<fv, l[]A[fNfCfbfNfXfCfbf`'l'\deltafŠfXfg]f_fCfAf[]fOf {fbfNfX, @, cfAfNfZfX, Å, «, Ü, ·[]B & fCf"fwf<fv, l[]A[fNfCfbfNfXfCfbf`'l'& fCfAf[]fOf {fbfNfX, @, cfAfNfZfX, Å, «, Ü, ·[]B & fCf"fwf<fv, l[]A[fNfCfbfNfXfCfbf`'l'& fCfAf[]fOf {fbfNfX, @, cfAfNfZfX, Å, «, Ü, ·[]B & fCf"fwf<fv, l[]A[fNfCfbfNfXfCfbf`'l'& fCfAf] & fCfAf[]fOf {fbfNfX, @, cfAfNfZfX, Å, «, Ü, ·[]B & fCf"fwf<fv, l[]A[fNfCfbfNfXfCfbf`'l'& fCfAf] & fCfAf[]fOf {fbfNfX, @, cfAfNfZfX, Å, «, Ü, ·[]B & fCf"fwf & fC"fwf ,±,ÌfXfCfbf`,É,æ,èf_fuf‹fofbftf@f,□[fh,ªfRf"fgf□□[f‹,³,ê,Ü,·□Bf_fuf‹fofbftf@flfvfVf‡f",ð— Lο,É,·,é,Æ□AftfŒ□[f€fofbftf@,Í•\,Æ— ,Ì2,Â,É•ªŠ,,,³,ê□A•\fofbftf@,Í•\ަ,ÉŽg—p,³,ê□A— fofbftf @,ĺfŒf"f_fŠf"fO,ÉŽg—p,³,ê,Ü,·□B,±,ê,É,æ,è□A,¿,ç,Â,«,Ì,È,¢fAfjf□□[fVf‡f",ðŽÀŒ»,Å,«,Ü,·□B fhf‰fCfo,©,ç[]AOpenGLfEfCf"fhfE"à,ÉGDI•`‰æ,ð‹-‰Â,·,é[]A,Æ,¢,¤'Ç ‰Á,ÌfsfNfZf‹ftfH[][f}fbfg,ð—LŒø,É,μ,Ü,·[]B (PFD_SUPPORT_GDI) ,¢,-,Â,©,ÌfAfvfŠfP[][fVf‡f",É,¨,¢,Ä,Í[]A,±,ÌfsfNfZf‹ftfH[][f}fbfg,ª•K—v,Å,·[]B fAf‹ftf@f`fff"flf‹,ĺ[]‡[]¬,â"§‰ß,Ì[]^—[],È,Ç,ÉŽg p,³,ê,Ü,·[]B,à,µOpenGLfAfvfŠfP[[fVf‡f",ªfAf‹ftf@'l,ðŽg—p,µ,È,¢[]ê[]‡[]A,±,ÌfXfCfbf`,É,æ,Á,Ä[]Ô, —Î,[]Â,Ì3[]F,Ì,Ý,ðŒvŽZ,∙,é,æ,¤,É•Ï[]X,Å,«,Ü,∙[]B fl□[fo□[fŒfCfvfŒ□[f",ĺfl□[fo□[fŒfCfvfŒ□[f",ĺ•W□€fJf‰□[(RGB)fofbftf@,É•t,¯ ‰Á,¦,ç,ê,éfpfŒfbfg-Ê,Æ,μ,ÄŽg—p,³,ê,Ü,·□B(Softimage,Ì,æ,¤ ,È)^ê•",ÌfAfvfŠfP□[fVf‡f",ĺfl□[fo□[fŒfCfvfŒ□[f",ð•K—v,Æ,μ,Ü,·□B fXfefŒflfAfvfŠfP[[fVf‡f",ð‰t[]»fOf‰fX,Æ^ê[][],É"®[]ì,³,¹,é,É,Í[]Afhf‰fCfo,©,çfXfefŒfl p,ÌfsfNfZf<ftfH[][f}fbfg,ð—LŒø,É,µ,È,¯,ê,Î,È,è,Ü,¹,ñ[]B f_fuf‹fofbftf@fŠf"fO,Ì,½,ß,É□Afhf‰fCfo,Í,Å,«,éŒÀ,è□,'¬,ÈŽè'i,ðŽæ,ë,¤,Æ,µ,Ü,·□B,¢,-,Â,©,ÌfAfvfŠfP□[fVf‡f",Å,Í□A'x,¢,⁻,ê,Ç,àˆÀ'S,Èfofbftf@fufŠfbfg∙ûŽ®,ðŽæ,é∙K—v,ª, ,è,Ü,·□B fy□[fW□Ø,è′Ö,¦,È,Ç,ÌfAfNfVf‡f",Í□Af,fjf^,Ì□,'¼fuf‰f"fN,Æ"[−]Šú,µ,Ä,¢,Ü,·□B,±,ê,͉æ– Ê,ÌfefBfAfŠf"fO,ð–hŽ~,µ,Ä,,ê,Ü,·,ª□A,±,Ì,Æ,«ftfŒ□[f€fŒ□[fg,ÆfŠftfŒfbfVf...fŒ□[fg,ª"[−]Šú,µ,Ä,¢ ,é,Ì,Å□AfAfjf□□[fVf‡f",ð•\ަ,·,é□ê□‡,É,ÍfpftfH□[f}f"fX,ª′˜,µ,′ቺ,µ,Ü,·□B,±,Ì,½,ß□A‰æ– Ê,ÌfefBfAfŠf"fO,ª‹N,«,é,æ,¤,Å,µ,½,ç□A,±,Ìf{f^f",ðfAfNfefBfu,É,µ,Ä□A□,'¼fuf ‰f"fN"à,É,·,×,Ä,ÌfAfNfVf‡f",ª□s,í,ê,é,æ,¤,É,µ,Ü,·□B Windows, ÌGDI API, Í□A'Ê□í, ÍOpenGL, ÅŽg—p, ³, ê, Ä, ¢, éfofbfNfofbftf@, ðŠÇ—□, Å, «, Ü, ¹, ñ□B3Dfrf...

windows,iGDTAP1,i[[A E[],iOpenGL,AZg—p,*,e,A,¢,e]0]0]N[0]0]t]@,03Cy—[],A,«,0,*,n[]B3D]T]... [["à,Å2DfRf}f"fh,ðŽg—p,·,é,¢,-,Â,©,ÌfAfvfŠfP[[fVf‡f",Å,Í[]AGDI,Å•`,©,ê,½ŠG,ªfofbfNfofbftf@,É,à"½‰f,³,ê,Ä,¢,é•K—v,ª, ,è,Ü,· []B,±,ÌfXfCfbf`,ðŽg—p,·,é,± ,Æ,Å[]A2DfRf}f"fh,ÍOpenGL,ÌfofbfNfofbftf@,É,à"`,¦,ç,ê,Ü,·[]BOpenGLfEfCf"fhfE,ÌŠOʻ¤,Ì2D— Ì^æ,ÉŠÖ,µ,Ä,Í[]A,Ç,Ì,æ,¤,È[]ê[]‡,Å,àfhf‰fCfo,ªŠÇ—[],µ,Ä,¢,Ü,·[]B

"⁻,¶OpenGL,É,µ,Ä,à□Afvf‰fbfgftfH□[f€,É,æ,Á,Ä•`‰æ"®□ì,Í,³,Ü,´,Ü,Å,·□B2,Â,Ìf|fŠfSf",Ì ‰□,ª□d,È,é,Æ,±,ë,ÌfsfNfZf<,Í□AfŒf"f_fŠf"fO,³,ê,é□ê□‡□A2"x•`,©,ê,Ä,Í,¢,⁻,Ü,¹,ñ□B,»,ê,Å,Ç,Ìf| fŠfSf",ª,Ç,ÌfsfNfZf<,ð□uŽæ,é,©□v,Æ,¢,¤Œ^'è,ª,³,ê,Ü,·□B—á,¦,ÎMicrosoft Windows,Ìfvf ‰fbfgftfH□[f€,Í□A'·•ûŒ`,̉E‰º,ÌŠp,Í•`,©,ê,Ü,¹,ñ□BSoftimage 3.01,Å,Í□A'·•ûŒ`,Í□AUNIX OpenGL,É□€,¶,Ä•`,©,ê,Ü,·□BSoftimage 3.01,ðŽg,Á,Ä,¢,é□ê□‡□A,± ,ÌfXfCfbf`,ðfAfNfefBfu,É,µ,Ü,·□B ,±,ÌflfvfVf‡f",ªʻl'ð,³,ê,Ä,¢,é,Æ,«,É,Í□A3D Studio MAX 1.x/VIZ,Æ□A,»,Ìʻ¼,ÌOpenGLfAfvfŠfP□[fVf‡f",Í"⁻Žž,ÉŽÀ□s,Å,«,Ü,¹,ñ□B fefNfXf`ff,ª'å,«,,È,é,Æ,«□A—á,¦,Î□AfY□[f€fAfbfv,·,鎞,È,Ç,É□A2,Â, ,é•⊮•û-@,Ì,¤,¿,Ì,P,Â,ªŽg —p,³,ê,Ü,·□B[Nearest neighbor],ÆŒ¾,í,ê,é•û-@,Í□A'P□f,É<ß□Ú,·,éfsfNfZf<,ð,ðŽQ□Æ,µ,Ä□A"¯,¶□F,ðŽg—p,µ,Ü,·□B^ê•û□A[Linear interpolation] ,ÆŒ¾,í,ê,é•û-@,Í□AŽü,è,ðŽæ,è^Í,ÞfsfNfZf<,Ì□F,ð•⊮,µ,ÄŽg—p,µ,Ü,·□BfŠfjfA fefNfXf`fff}fbfsf"fO,ðŽg—p,·,é,Æ□A,»,ê,É,æ,Á,Ä'½□fXfs□[fh,ª'á ‰º,e¦,³,ê,éŒ<‰Ê,Í,æ,èfŠfAf<,È,à,Ì,Æ,È,è,Ü,·□B ,¢,,Â, ©,ÌOpenGLfAfvfŠfP[[fVf‡f",Í[]Af_fuf<fofbftf@,ÌOpenGLfEfCf"fhfE]]ã,É[]AGDIŠÖ[]",ðŽg—p,µ,Äf][fjf...[[,âf_fCfAf]]fOf{fbfNfX,ð•`‰æ,µ,Ü,·[]B,±, ÌfXfCfbf`,ªfAfNfefBfu,É,³,ê,é,Æ[]Aftf{stfNfXfVfŠ[][f"f,][[fh,Å"®]],·,éfAfvfŠfP[][fVf‡f"]]ã,ÌGDI•` ‰æ,Í[]Aftf[]f"fg<y,ÑfofbfNfofbftf@,É"⁻Žž,É]]s,í,ê,Ü,·[]B,±,Ì"®]],Ífn][fhfEfGfA,ÅŽÀ]]s,³,ê,é,Ì,Å]]AfpftfH][f}f"fX,Ì'ቺ,Í, ,è,Ü,¹,ñ]]BSoftimage 3.5x/3.7x,Ì,æ,¤,ÈfAfvfŠfP[[fVf‡f",Å,Í]]A,±,ÌfXfCfbf`,ðfAfNfefBfu,É,·,é•K—v,ª, ,è,Ü,·]]B

 $ftf@[[fXfgfNfŠfAfvf@[[f",lfffvfX fofbftf@(Zfofbftf@),l],'\neg[A<Ž,ÉŽg-p,³,ê,Ü,·]BOpenGLfAfvfŠfP[[fVf‡f", a(Microsoft,lOpenGLfn[[fhfEfFfA@ÝŠ·],«fefXfg,l,æ,¤,É)fofbfN fffvfX fofbftf@,l]î•ñ,ð"Ç,ÝŽæ,é•K—v,a, ,é[]ê[]‡,É,l[]A,±,lfXfCfbf`,l-a@,É,µ,Ü,·]B$

,±,ÌfXfCfbf`,É,æ,è□APERMEDIA 2f`fbfvfZfbfg,ðŽg,Á,½fOf‰ftfBfbfN fAf_fvf^□ã,Å□Af‰fCf" fAf"f`fGfŠfAfVf"fO,ðfTf|□[fg,·,é,½,ß,ÉfffUfCf",³,ê,½<@''\,ª—~—p,Å,«,é,æ,¤,É,È,è,Ü,·□B,± ,ÌfXfCfbf`,ðfZfbfg,·,é,Æ□A□ü,ÌfMfUfMfU,μ,½ŠOŒ©,ªŠŠ,ç,©,É,È,è,Ü,·□B,½,¾,μfŒf"f_fŠf"fO,ÌŽ¿, ª□,,Ü,é,±,Æ,Å□AfŒf"f_fŠf"fOʻ¬"x,Í'ቺ,μ,Ü,·□B □,,¢fŒf"f_fŠf"fOfNflfŠfefB,ðŽÀŒ»,·,é,½,ß,É□AfefNfXf`fff}fbfv,ĺ•¡□",Ì^Ù,È,éfTfCfY,ŕۑ¶,³,ê,Ü,· □B(f~fbfvf}fbfvfŒfxf‹),±,ê,ç,ÌfefNfXf`fff}fbfv,ĺ□ÄŒvŽZ,³,ê□A□Å□I"I,É,»,ê,¼,ê,ÌfsfNfZf‹,É"\ ,ç,ê,Ü,·□Bf~fbfvf}fbfv‹@"\,ð-³Œø,É,·,é,±,Æ,Å□AfefNfXf`fff□f,fŠ,ÌŽg—p—Ê,ð□팸,µ□AfOf ‰ftfBfbfNfXf{□[fh,ÌŒvŽZŽžŠÔ,ð'Z□k,·,é,±,Æ,ª,Å,«,Ü,·□B fefNfXf`ff,Í□A24Bit,â32Bit,ÌftfH□[f}fbfg,ðŽg—p,¹,¸,É□A16Bit,ÉŒ¸□F,µ,ĕۑ¶,³,ê,Ü,·□B

fOf‰ftfBfbfNfXf{[[fh[]ã,É,æ,è'½,,ÌfefNfXf`fff}fbfv,ð•Û'¶,·,é,½,ß,É[]A‰Â"\ ,ÈŒÀ,èfefNfXf`fffTfCfY,Ì^³[]k,ð[]s,¢,Ü,·[]B[],,¢^³[]k—¦,Ì[]ê[]‡,É,Í[]AfNfIfŠfefB,ª'½[]-<][]µ,É,È,è,Ü,·,ª[]A'½[][],'¬,É,È,è,Ü,·[]B ,±,ÌfgfsfbfN,É,Í□A'ljÁ,Ìfwf‹fv,Í—p^Ó,³,ê,Ä,¢,Ü,¹,ñ□Bfwf‹fvf{f^f",ð‰Ÿ,µ,Ä□Aflf"f‰fCf"f}fjf… fAf‹,ðŽQ□Æ,µ,Ä,,¾,³,¢□B