

ELSAfhf%ofCfo•Y'è

ELSAfhf%ofCfoÉYàèELSAfo%oftfBfbf(NfKDirect3D•AOpenGL•A,;æ,Ñffh/EffA—p,É”÷’2•@,.,é,±,Æ,ª,Å,«,Û,•B
•Ü•×,É,Å,c,Ä,Í•Afvf•fpye,Ëfy•É•fwwf<fv,ðEÄ,Ñ•o,µ,Ä,-,¾,³,ç•B

'2•@,μ,½,ϕ•Ý'è,δ'Γδ,μ,Û,•B

fŠfXfgfNfX“ü—Í,lfwf,fv,đŽQ•Eü,đÍfA,r,Ā~È•¶fwf,đEĀ,Ñ•o,μ,Ů,•B

•Ú•¶,³,ê,Ä,ç,Direct3DfJfXff•Ýè,İŞfXffg,©,ç•€-Ú,đ'İfY',ç,Đ%©,µ,Û,•B,İ•Ý',đ"K-p,.,é,É[ÖK]ff^,Û,½[İK-İff^
f",đ'İđ,µ,Û,•B

Direct3D, Ì·Ý'è, ðfJffg'Y'è, Æ, μ, Å·Û'¶, μ, Å, -, ¼, ³, ç·B·Û'¶, μ, ½·Ý'è, º¼·O, ÌfŠfXfg, É'Ç%Á, ³, è, Û, ·B
EÁ·Direct3D·Í%žfç, É·Á·K, È·Ý'è, ¢©, Á, ©, Á, ½, ç·Aç, Ì·Ý'è, ðfJffg'Y'è, Æ, μ, Å·Û'¶, μ, Å, -, ¼, ³, ç·B·Û'¶, μ, ½·Ý'è, º¼·O, ÌfŠfXfg, É'Ç%Á, ³, è, Û, ·B
·, Å, «, é, Ì, ÅŠefl fvfVff'f', ð·Ý'è, ·, é·K—v, º, È, -, È, è, Û, ·B

©»•Ý.ìŠfXfg,ÉT·ð,³,ê,Ä,çfçfXfð·í·α,μ,Û,·B

∴ × Ä Ì • Ý è ð f f t f H f < f g ' l É - B u Ü • B
f q f " f g ± l f f f " ð f N f S f b f N u l Ö K @ Ü ½ f K - j p
ð ' I ð , , é . Æ • A • Ý è Ö l • X " , , × Ä f N f S f A , ³ é Ü , • B , » , ð , , é . Æ • A f f f B f X f v f Ö f C f h f % f C f o , Å , Í f f t f H f < f g • Ý è , ð Ž g - p , , é , ± , Æ , ° K - v , É , È , è , Ü

•äL ÌflfvfVftf“ É.æ.è•Afhf%fcfo.ÌfAf“f fGfŠfAfVf“fO•B”
fAf“f fGfŠfAfVf“fD.ÌfAwJfFfNfg.ÌfGfbfW• fOYXfO.µ.AfMfUfMfU.ÌŠOŠÌ,ð•æ.Ž.·.é.Ì.ÉŽg—p.,.éŽè-@,Ä,•B
.½.¾.µ•AfAf“f fGfŠfAfVf“fO.ð—LÉø.É.µDraeSfOv@fCH%of.Ä.ÌfAf“f fGfŠfAfVf“fO.³.è.½fCf••
fW.ðfCf“f fSf“fO.Ä.«.é.í. Ä.Ì.É.ç.Ì.Ä’fDfµAfGfŠfAfVf“fO.Ì.AfVfŠfR•³.µ.-“@•i.³.¹.é.½.ß.ÉfTf•
fE%ø.ä.ÌfVfVfVf“f.©.Ä.Ì.ß.¾.Ä.
[-LÉøh] %fO.µ.Ä.ç.é fAf“f fGfŠfAfVf“fO.ð—LÉø.É.µ.Ü,•B
[-³Éø.,.x.Ä.ÌfAf“f fGfŠfAfVf“fO.ÌfCfEø.É.µ.Ü,•B

,±,İfİvfVf‡f“,É,x,è•A•X•V,³,é,½fhDİecCfco“\đ-³CEø,É,Â,«,Û,•B
DirectX,İCEİfWf‡f“-p,É•i,ç,èİ/çQ•É,©DİecCX,İfdWf‡fđWf‡fđCf“fXfg•,é,Æ•³,µ,-“©•i,µ,È,-,È,é,à,Ì,ª, ,è,Û,•B
,±,İfİvfVf‡f“,đ'İ'đ,•,é,ÆfDİecCfY\$fh,Â“©•i,•,é,½,β•ACEAfcçQe,à•³,µ,-“©•i,µ,Û,•B
ffftfHfçfg,Â•N“©,â“©•i,đ,µİççE“©çfQ•,½,ç,Æ,«,İ•A,±,İfİvfVf‡f“,đŽg-p,µ,Â,-,¾,³,ç•B

.±.ê.É.æ.è•AññfEjFfa,žžžžññf@,ì•F•”,ò²•B,μ•AññVf\$P;É•K—v,È•F•”,É•í,í,Û,•B
•ì•E•ã,ã“žžžžññf@,ì•F•”,—v••,³,ê,È,ç,©,¬,è•A’É•í,í,±,ìfìfVfVfññf“,ð—LÇø,É,μ,À,“,•K—v,•,è,Û,•B
.±.ìfìfVfVfññf“,—³Çø,É,È,À,À,çžžžžññf@•F•”,•E»YññEjFfa•žžžžññf@•F•”,E^ê’v,μ,À,ç,É,çfVfVf\$Pññf•A“©•ì,μ,Û,í,ñ•B

•F•”fofbftf@fŠf“fo,É,Ā,Ĥ,Ħ,Œ,É,μ,Û,•B
.±,ê,É,æ,è•AĤĤfEfFA,Ā,Ĥ,Ħ,Œ,É,μ,Û,•B
[fWfŒf“f_Šf“fo,đ•Ĥ,Ā,«,Û,•B

