



ŠT—v□EjRf“fZfvfg  
•K—v,ÉfVfXfef€  
fCf“fXfg□|f<  
Žg—p□đŒ□  
Žg,č•û

fRf}}f“fh□EjŒftf@fŒf“fX

File  
Edit  
View  
Paint

Virtual Painter fz□|f€fy□|fW  
<http://www.vector.co.jp/authors/VA006410>

'~ŽÒ Ef□□|f<fAfhfŒfX  
smartj@pis.bekkoame.or.jp

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**Virtual Painter** i%o¼'z%oæ%oÆj,Í— ^ ,¡,ç,ê,½ŽÊ^ ,ð'èP,É,μ,ÄŠG,ð•` ,f  
ftfgfEjFfA,Å,·B  
,½,¾,μA,±,ê,Í, ,È,½,ŠG,ð•` ,,½,β,ì“¹<i,Å,Í, ,è,Ü,¹,ñB  
, ,È,½,Í'èP,ð— ^ ,¡,½,çŠG,ªo— ^ã,ª,é,ì,ð'Ò,Á,Ä,ç,Ä%oº,³,çB

Virtual Painter,ì-Ú“l,Í, ,È,½,ìĈÂ“l,È'èP,ð•` ,,±,Æ,É,æ,Á,ÄA  
V,μ,ç-ç'm,ìŠG,ð'a“¹,³,¹,é,±,Æ,Å,·B  
,à,μ<C,É“ü,Á,½ŠG,ª“Ĉ©,Å,«,½,ç,» ,é,Í, ,È,½,ìi•i,Å,·B  
,Ç,π,¼, ,È,½Ž©g,ìi•i,Æ,μ,ÄŽ©—R,ÉĈäŽg—p%oº,³,çB  
,½,¾,μA'¼l,ìŽÊ^ ,âÑ'œ,ð-³'f,ÅŽg—p,·,é,Æ'm“lŠ—LĈ ,ìNŠQ,Æ,È,è,Ü,·,ì,  
ÅĈä'“^Ó%oº,³,çB

1996”N ”~'º.



•K{ŠÂ«F  
œ}fCfNf\ftfg **Windows95**  
œ256F^Éă,İ•\Ž!ŠÂ«

„,ŠÂ«F  
œTrue Color •\Ž!ŠÂ«  
œTwain 'í%ž,ì%œ'œ"ü—í'•'u  
œfj%|fvfŠf"f^|  
œ\•ă,Ěf,fŠ|  
í^μ,α%œ'œfTfCfY,ă'ă,«,È,é'öf,fŠ|,Í,½,,³,ň•K—v,É,È,è,Ü,·Bj



**Windows95** ,đ<N“ ®,μ□A,±,lfpfbfP□|fW,É“ü,Á,Ä,ç,é **Setup.exe** ,đŽÀ□s,μ,Ä  
 %o<sup>o</sup>,<sup>3</sup>,ç□B  
 fCf“fXfg□|f<□æ,đŽw’è,·,é,Æftf@fCf<,lfRfs□|,ªŽn,Ü,è,Ü,·□B

□œ<Æfo□|fWf†f“, ©,ç,lfAfbfvff□|fg,ì□ê□#□F  
 fo□|f`fff<□EfyfCf“f^□|,ªŠù,ÉfCf“fXfg□|f<,<sup>3</sup>,é,Ä,ç  
 ,é□ê□Š,đŽw’è,μ,Ä□ASù’¶,lf tf@fCf<,É□ã□’,«μ,Ä%o<sup>o</sup>,<sup>3</sup>,ç□B,±,α,·,é,îŠù’¶,ì□Ý’è“à—  
 e,ªÆp’±,<sup>3</sup>,é,Ü,·□B  
 ,½,<sup>3</sup>/<sub>4</sub>,μ□A,±,ì□ê□#,í,·,×,Ä,lfGfLfXfp□|fg□Ef,fff...□|f<,ª□Å□V”Å,É□X□V,<sup>3</sup>,é,Ü,·□B  
 □Vfo□|fWf†f“,đfCf“fXfg□|f<,μ,½□Æã,Å□A<Æfo□|fWf†f“,lf^fbf` ,É-  
 ß,·,½,ß,É,í□AfCf“fXfg□|f<,đŠJŽn,·,é’O,ÉVP2,ìŠg’£Žq,ì,Ä,ç  
 ,½ftf@fCf<,đ•É,ì□ê□Š,ÉfRfs□|,μ,Ä,“,„,ÆŠÈ’P,Å,·□B  
 ,±,é,ç,ì□V<Æ,lf tf@fCf<,đÆđŠ·,·,é,î“Á’è,ì%o<sup>o</sup>¼’z%o<sup>o</sup>æ%o<sup>o</sup>Æ,lf^fbf` ,đÆ<sup>3</sup>,É-ß,·,±  
 ,Æ,ª,Ä,«,Ü,·□B

□œfCf“fXfg□|f<Žž,lf□fbfZ□|fW□F  
 , ,É,½,lfRf“fsf...□|f^,ÉŠù,ÉfCf“fXfg□|f<,<sup>3</sup>,é,Ä,ç,½ftf@fCf<,Æ□A,±,lfpfbfP□|  
 fW,lf tf@fCf<,ª□d•j,μ,Ä,ç,½□ê□#□Aftf@fCf<,ªfRfs□|,<sup>3</sup>,é,É,ç,±,Æ,ª, ,è,Ü,·□B  
 ,±,ì□ê□#,É,ì□ó<μ,đ’m,ç,<sup>1</sup>,éf□fbfZ□|fW,ª•\Ž|,<sup>3</sup>,é,Ü,·□B  
 ’É□í,±,ì,æ,α,Éftf@fCf<,lfRfs□|,<sup>3</sup>,é,é•K—v,í, ,è,Ü,<sup>1</sup>,ñ,ª□A, ,ì,ÄfRfs□|  
 ,đŽŽ,Ý,é,É,í□ASù’¶,lf tf@fCf<,đ•É,ì-¼’O,É•ì,ì,Ä, ©,ç□Ä“xfCf“fXfg□|f<,đ□s,Á,Ä  
 %o<sup>o</sup>,<sup>3</sup>,ç□B



**Virtual Painter Ver2.30j, ífvfFfAfeFFfA—L—¿j,Á,·B**

, ±, ífvftfg, íŽŽ—pŠúŠÔ't, í-³—¿, ÁĚäŽg—p, É, È, ê, Ü, ·, ºA, » , íĚäĚp'±“l, ÉĚäŽg—  
p, É, È, é, ê, ÷, íft|fU|“o~^, º•K—v, Á, ·B  
ft|fU|“o~^—¿, í, R, W, O, O, Á, ·B

**œfvftgfeFFfA, í—**

, ±, ífvftfg, íŠî- {•”•º, ĚfGfLfXfp|fg|Ef, fff...|f<, Á—, º, ê, Ä, ç, Ü, ·B  
fGfLfXfp|fg|Ef, fff...|f<, Ě, íSe%¼'z%æ%Ě, É'Š“- , ·, é•”•º, Á—  
^, |, ç, ê, ½ZÉ^, ðŠG%æfCf|fW, É•íŠ·, ·, é“ , «, ð, µ, Ü, ·B  
, ±, ífpfbfP|fW, É, í...É%æ(Rabica)A-ûÉ%æ(Purts)AfKfbfVf...  
(Quapeo)AfpfXfef<(Saplet)A°F%”•M(Plince), í, T, Á, ífGfLfXfp|fg|Ef, fff...|  
f<, ºSÜ, Ü, ê, Ä, ç, Ü, ·B

**œŽŽ—pŠúŠÔ, ĚŽŽ—pŠúŠÔ't, í—ŒÄŽ—€**

, ±, ífvftfg, íŽŽ—p, ð-Ú“l, Ě, µ, ½|ê÷, ÉĚÄ, èA-³—¿, ÁŽg—p, Á, «, Ü, ·B  
, ½, ¾, µAŠefGfLfXfp|fg|Ef, fff...|f<, É, æ, éŠG%æ^—, í, R, O  
%ň, Ü, Á, É—ŒÄ, º, ê, Ä, ç, Ü, ·B  
ŽŽ—pŠúŠÔ't, í, h, c”Ô|t, í“ü—í—v<, É'í, µm, b, |, Ž, f, ..., Ěn, ð'l'ð, µ, Ä%º, º, ç|B  
, È, “AŽŽ—pŠúŠÔ't, É, íŽd|ã, º, è%æ'œ, í^ê•”, Éf|fbfZ|fW, º', «ž, Ü, ê, Ü, ·B  
, ±, íf|fbfZ|fW, í“à—e, í- {fvftfg, íf^fCf|fW, í“~|Ě “™”, É, Á, ç, Ä, Á, ·B

**œft|fU|“o~^**

“o~^Žè±, «, ð, º, ê, ½•û, É, íŠefGfLfXfp|fg, É'í  
%ž, µ, ½, T, A, l, h, c”Ô|t, º'É'm, º, ê, Ü, ·B  
, “ŽĚ³, ífvftfg, É, h, c”Ô|t, ð“ü—í, ·, é, ĚA|fbfZ|fW, í', «ž, Ý, º%ðœ, º, ê, f  
ftfg, ðĚp'±“l, ÉŽg—p, Á, «, é, æ, x, É, È, è, Ü, ·B  
, ½, ¾, µAft|fU|“o~^, É, æ, Á, Äfvftfg, í<@”\, ºŠg'£, , é, ç, íCº, º, ê, é, ±, Ě, í, , è, Ü, ¹,  
ň, í, ÁAŽŽ—pŠúŠÔ't, É•K—v, ĚfefXfg, ðs, Á, ½|ã, Á“o~^, ðs, Á, Ä%º, º, ç|B  
, h, c”Ô|t, íĚäŠó-], É, æ, è“dŽqf|f<, Ü, ½, í—X•Ö, É, æ, è, “'m, ç, ¹, µ, Ü, ·B  
, È, “Af}ffj...fA<, âft|fbfs|, È, Ç, h, c”Ô|t^ÈŠO, í, à, í, í^ê|Ø'—•t, º, ê, Ü, ¹, ñ|B

**œ-Ě—Ó**

, ±, ífvftgfeFFfA, í-œ'S, í^Ó, ð, à, Á, Ä|—, º, ê, Ä, “, è, Ü, ·, ºA-œ^ê, ±, ífvftgfeFFfA, ð  
%o~^—p, µ, ½Ě<%É, ç, ©, È, é'¹SQ, º|, ½, Ě, µ, Á, àA, ±, íf  
ftfg, í~ŽO, “, æ, Ñ”z•zŽO, í^ê|Ø“C, ð•%, ç, Ü, ¹, ñ|B  
“Á, É'¼ŽO, íÑ'œĚ , , æ, Ñ~|Ě , íNSQ, ðs, í, È, ç, æ, x, É'í^Ó, µ, Ä%º, º, ç|B

**☐œŠg'£—\`è**

,±,ì\ftfg,ífGfLfXfp☐|fg☐Ef,fff...☐|f<,đ'Ç%ooÁ,·,é,±,Æ,É,æ,è☐A%oo¼'z%ooæ%ooÆ,ìŽí  
—p,đ'☐,â,<sup>1</sup>,é,æ,æ,É☐YCEv,<sup>3</sup>,ê,Ä,ç,Ü,·☐B  
,½,<sup>¾</sup>,μ☐A'Ç%ooÁ,ífGfLfXfp☐|fg☐Ef,fff...☐|f<,É,Ä,ç,Ä,Í☐A•Ê“r—L—¿,Æ,È,é☐ê☐‡,ª, ,è  
,Ü,·,ì,Ä,·,ç,©,¶,βCEä☐<sup>3</sup>m,“,«%oo<sup>o</sup>,<sup>3</sup>,ç☐B  
☐@,»,ì¼,ì<@“\Šg'£,Ü,½,Í•s<i☐‡,ì☐C•œ,ª☐s,í,ê☐A~ŽÒ<y,Ñ”z•zŽÒ,ª,±  
,è,đfAfbfvff☐|fg”Å,Æ,μ,ÄCEö•\,μ,½☐ê☐‡☐A“o~^ft☐|fU☐|  
,í,·,Ä,É,“Ž☐,¿,ì,h,c”Ô☐‡,Å,±,é,đ,“Žg,ç,É,È,è,Ü,·☐B  
fAfbfvff☐|fg”Å,íf|fbfgf☐☐|fN☐ã,ì“A'èftfH☐|f%of€ ,ÉCEf☐Ú,<sup>3</sup>,é,é—\`è,Å,·,ª☐A,»,ì“à—  
e,âŽžŠú,ÉSÖ,μ,Ä,ì,“-ñ'©,ì,ç,½,μ,©,È,Ü,·☐B

**☐œfTf|☐|fg**

“o~^ft☐|fU☐|,Ö,ìTf|☐|fg,í^È%oo<sup>o</sup>,ì<CEû,Å☐s,ç,Ü,·☐B

”z•zCE<sup>3</sup>☐i,PŽŸftf|☐|fg☐j☐F

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”~'º☐@☐,

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fAfbfvff☐|fg”ÅCEf☐Ú—\`èftfH☐|f%of€ ☐F

Inter-Net : <http://www.vector.co.jp/authors/VA006410> (Virtual Painter Home Page)

Inter-Net : <http://panda.com/> (P.&A. Home Page)

NIFTY-Serve: FWINMM/LIB4

NIFTY-Serve: FSWI/LIB16

NIFTY-Serve: SPANDA

**☐œ'~☐ìCE**

,±,ì\ftfgfEfeFfA,í”~'º☐@☐,,ª”~☐ìCE ,đ—L,μ,Ä,ç,Ü,·☐B

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,È,“☐A,±,ì\ftfgŠj”,É, ,½,è•Ä☐' Smart And Associates ŽĐ,©,ç,Í'g,©,ç—

ã,Ü,μ,đ,ç,½,<sup>¾</sup>,«,Ü,μ,½☐B

,±,±,ÉS'ŽÓ,đ•\,μ,Ü,·☐B

☐œ“o~^Žè'±,«,É,Ä,ç,Ä☐B







@@@,l,`,r,s,d,q@@@,u,h,r,  
@@@,c,b@@@  
,`l,d,w  
fj[fhfj"fo@@@F  
—LCEøŠúCEÀ@@@F  
,h,c"Ô†,ì'Ê'm•û-@@@F@["@]"dŽqf[]f<@@@["@]—X•Ö  
fVfFfAfEfFfA"Å,ì"üŽèæF  
,,"Ž,¿,lfRf"fsf...[f^@F  
fVfFfAfEfFfAfjf...[fX@F@["@]Šó-],·,é@@@["@],μ,È,¢

œ,o•,`fz|f€fy|fW,É,à"o~^ftfH|f€,δ—p^Ó,μ,Ä,"è,Ü,·B  
<http://panda.com/>

œfVfFfAfEfFfAfjf...[fX,ì,ÝŠó-],ì•û,í"o~^—pŽ†,lfj^f[]fOŠó-],É^ó,δ,Â,¯A  
,e,`,wA—X•ÖA,Ü,½,í"dŽqf[]f<(NIFTY-Serve: PAF02461),É,Ä'—•t,,¾,¾,¢B  
fVfFfAfEfFfAfjf...[fX,í<sup>-3</sup>—¿,Å,·B



### □i□€”õ□j□D

,Ü, ,f\ftfg,İŠî-{"I,È"®□i□Y'è,đ□s,Á,Ä%oo<sup>2</sup>,<sup>3</sup>,ç□B



[Environment...]

### □i,P□j□D

'è□p,Æ,·,é%ooæ'œ,đ“ü—í,μ,Ü,·□B

%ooæ'œ,í True Color ,İžÊ□^,đ□,,□š,μ,Ü,·□B



(a)ftf@fCf<,©,ç“Ç,Ý□ž,p□B□□ [Open]



(b),s,v,` ,h,m'í%oož,ì%ooæ'œ“ü—í'•'u,đžg,ᄁ□B□□ [Acquire]



(c)fNfŠfbfvf{□|fh,©,ç'£,è•t,¯,é□B□□ [Paste]

### □i,Q□j□D

•K—v,É%oož,¶,ÄfifvfVftf“ ,ì□Y'è,đ□s,ç,Ü,·□B



(a)%oo¼'z%ooæ%ooÆ,đ'l'đ□B□□ [Painter]



(b)%oo¼'z%ooæ%ooÆ,Ö,ì'□•¶□B□□ [Order]



(c)ŠG%ooæ,ì□o—ÍfTfCfY,đ□Y'è□B□□ [Size]



(d)žâ'è,ìžw'è□B

### □i,R□j□D



[Start],Å□^—□,ªžn,Ü,è,Ü,·□B

### □i,S□j□D

□o—^□ã,ª,Á,½ŠG,đ□o—í,μ,Ü,·□B



(a)ftf@fCf<,É•Û'¶,·,é□B□□ [Save]



(b)fvfŠf“f^,đžg,ᄁ□B□□ [Print]



(c)fNfŠfbfvf{□|fh,ÖfRfs□|,·,é□B□□ [Copy]



**[Open...]**

Virtual Painter, ovládací panel, soubor, úložný prostor, úložný prostor  
"ň^3[k, l, c, h, a] \* .BMP [j, l, ý, a^μ, l, ü, .] B



**[Save As...]**

Virtual Painter, ovládací panel, soubor, úložný prostor, úložný prostor  
"ň^3[k, l, c, h, a] \* .BMP [j, l, ý, a^μ, l, ü, .] B



**[Acquire...]**

Virtual Painter, ovládací panel, soubor, úložný prostor, úložný prostor  
<@Šíř [f, j] [a, ý], ., éf\_fCfAf [f, O] Ef {fbfNfX, É, æ, è'€ [i, μ, Ü, .] B  
<@Šíř [f, j] [a, ý], ., éfff of CfX [f, hf] % of Cf [o] [i, 32bit, Å, , é•K—v, a, , è, Ü, .] B



**[Select Source...]**

Virtual Painter, ovládací panel, soubor, úložný prostor, úložný prostor



**[Print...]**

Virtual Painter, ovládací panel, soubor, úložný prostor, úložný prostor  
<@Šíř [f, j] [a, ý], ., éf\_fCfAf [f, O] Ef {fbfNfX, É, æ, è'€ [i, μ, Ü, .] B



**[Printer Setup...]**

Virtual Painter, ovládací panel, soubor, úložný prostor, úložný prostor  
<@Šíř [f, j] [a, ý], ., éf\_fCfAf [f, O] Ef {fbfNfX, É, æ, è'€ [i, μ, Ü, .] B



**[Environment...]**

Virtual Painter, ovládací panel, soubor, úložný prostor, úložný prostor



**[Exit]**

Virtual Painter, ovládací panel, soubor, úložný prostor, úložný prostor



[Copy]

%œ'œ,ðfNfŠfbvf{ |fh,ÖfRfs|,μ,Ü,·B



[Paste]

%œ'œ,ðfNfŠfbvf{ |fh,©,ç'£,è•t,¯,Ü,·B

œf"jfCf"fg

'¼,lfOf%oftfBfbfNfX Ef\ftfg,Æ%œ'œ,ð,â,èŽæ,è,·,é,½,ß,lfRf}f"fh,Å,·B

'¼,lf\ftfg,ÅufRfs|v,ðŽÀs,μA,±,¿,ç,Åu"è•t,¯v,ðs,κ,Æ

%œ'œ,ðŽæ,èž,ρ,±,Æ,ª,Å,«,Ü,·B

,±,¿,ç,ÅufRfs|v,ðŽÀs,μA'¼,lf\ftfg,Åu"è•t,¯v,ðs,κ,Æ%œ'œ,ð—

^,|,é,±,Æ,ª,Å,«,Ü,·B

,È, "AŠÂ«Y'è,Å'Enable Link',ð'YES',É,μ,Ä,",,ÆA'¼,lfOf%oftfBfbfNfX Ef\

ftfg,Æ,ì~AÆg,ª—e^Ö,É,È,è,Ü,·B



%œ'œ, ð•ž|f, |fh, ð•iX, μ, Ü, ·B



**[Near]**

%œ'œ, ð•ž|f, |fh, ð•iX, μ, È, ç, Å•ž|, μ, Ü, ·B

%œ'œ, ð•ž|f, |fh, ð•iX, μ, È, ç, Å•ž|, μ, Ü, ·B



**[Middle]**

%œ'œ, ð•ž|f, |fh, ð•iX, μ, È, ç, Å•ž|, μ, Ü, ·B

%œ'œ, ð•ž|f, |fh, ð•iX, μ, È, ç, Å•ž|, μ, Ü, ·B



**[Far]**

[Middle], ð•ž|f, |fh, ð•iX, μ, È, ç, Å•ž|, μ, Ü, ·B

%œ'œ, ð•ž|f, |fh, ð•iX, μ, È, ç, Å•ž|, μ, Ü, ·B

**œf|f“f|fCf“fg**

œf|f“f|fCf“fg, ð•ž|f, |fh, ð•iX, μ, È, ç, Å•ž|, μ, Ü, ·B

œf|f“f|fCf“fg, ð•ž|f, |fh, ð•iX, μ, È, ç, Å•ž|, μ, Ü, ·B

%œ'œ, ð•ž|f, |fh, ð•iX, μ, È, ç, Å•ž|, μ, Ü, ·B



— ^ , ! , ç , ê , ½ Ž Ê □ ^ % œ æ ' œ , ð Š î , É Š G , ð • ` , « , Ü , • □ B



**[Select Painter]**

% ¼ ' z % œ æ % œ Æ , ð ' ð , μ , Ü , • □ B



**[Order]**

% ¼ ' z % œ æ % œ Æ , Ö , ì ' □ • ¶ , ð , μ , Ü , • □ B



**[Size]**

Š G % œ æ , ì □ o — ì f T f C f Y , ð Ž w ' è , μ , Ü , • □ B ( □ d — v )



**[Start]**

□ ^ — □ , ð Š J Ž n , μ , Ü , • □ B

□ ^ — □ ' t , ì Working f E f B f " f h f E , œ Æ » , ê □ A □ ^ — □ , ì □ i ' » □ ó < μ , ð • \ Ž ! , μ , Ü , • □ B



**[Cancel]**

□ ^ — □ ' t , ì , ± , ì f □ f j f ... □ | , œ • \ Ž ! , œ , ê , Ü , • □ B

, ± , ê , ð ' ð , • , é , Æ □ ^ — □ , ð ' t ' f , μ , Ü , • □ B

, ½ , ¾ , μ □ A ' â , « , ç % œ æ ' œ , ì □ ^ — □ ' t , ì , • , ® , É , Ì ' â Ž ~ , Å , « , È , ç , ± , Æ , œ , , è , Ü , • □ B



**[Undo]**

□ ^ — □ , ì □ | — <sup>1</sup> Æ ã □ A Undo < @ " \ , œ — L Æ ø , É □ Y ' è , œ , ê , Ä , ç , é , Æ □ A , ± , ì f □ f j f ... □ | , œ • \ Ž ! , œ , ê , Ü , • □ B

, ± , ê , ð ' ð , • , é , Æ □ A □ ^ — □ , œ , ½ % œ æ ' œ , ì □ ^ — □ ' O , ì □ ó ' Ô , É - ß , è , Ü , • □ B

, ± , ì < @ " \ , ì — L Æ ø □ ^ — <sup>3</sup> Æ ø , ì □ Ø ' Ö , Ì Š Â « « □ Y ' è , Å □ s , ç , Ü , • □ B

**□ œ f □ f " f l f C f " f g**

□ ^ — □ , É — v , • , é Ž Ž Š Ô , Ì □ A % œ æ ' œ , ì f s f N f Z f < □ " □ i - Ê □ ï □ j , É , Ù , Ú " ä — á , μ , Ä ' • , , È , è , Ü , • □ B

□ c % œ i ; 1000 Pixel , ì % œ æ ' œ , É — v , • , é Ž Ž Š Ô , ð , P , Æ , • , é , Æ □ A

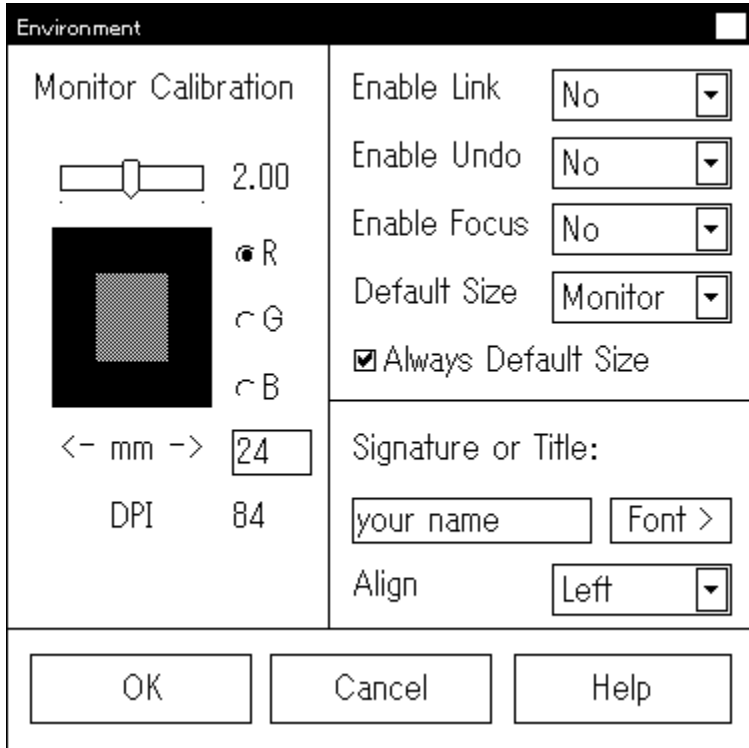
□ c % œ i ; 2000 Pixel , ì ê □ † , Ì , S , œ • K — v , É , È , è , Ü , • □ B

, ½ , ¾ , μ □ A % œ æ ' œ , ì ' â , « , œ , É ' Ì , μ , Ä □ \ • œ , È f □ f , f Š □ | , œ Š m • Û , Å , « , È , ç Š Â « « , Å , Ì □ A f n □ |

f h f f f B f X f N , œ Ž g — p , œ , é , ½ , ß □ ^ — □ ' — " x , Ì < } Æ f , É ' á % œ ø , μ , Ü , • □ B



fjftfg,ìŠi-{"®ì,ðÝ'è,μ,Û,·B



,Û, Af\_fCfAf\_fO\_f{fbfNfX,ì¶'α,ì^èCEQ,ð'€ì,μ,ÄA, ,È,½,ì CRTf,fjf^  
,ì"Ä«,ð'è,μ,Û,·B  
Žn,β,íÔ,çF,ì'éCE` ,a·\Ž!,³,é,Û,·B  
<éCE` ,ìã,É, ,éfXf%ofCf\_||,ð"® ,© , ,ÆA"à'α,ì"•a,ì-¾,é,³ ,a·ì%» ,μ,Û,·BŠO'α  
,ì"•a,Æ"à'α,ì"•a,ì-¾,é,³ ,a"™ ,μ,È,é,æ,α,É^É'u,É'²β,μ,Û,·BŽÝ,ÉA—  
Îi,fj,ð'ì'ð,μÄ,ÑfXf%ofCf\_||,ð'²® ,μ,Û,·B" —I,ÉÄi,a,É,Ä,ç,Ä,às,Ä,Ä  
%º,³,çB  
ŽÝ,ÉAf~fŠf||fgf<,ì-Ú·,è,ì,Ä,ç,½'è<K,ð—p^Ó,μ,ÄA<éCE` ,ì%  
; ,ì·Ó,ì'·,³,ð'è,μ,Ä%º,³,çB  
'a'è,μ,½'l,ð '<- mm ->' ,ì%E'α,É, ,éf{fbfNfX,É"ü—Í,μ,Ä%º,³,çB  
^Èã,Ä CRT f,fjf^||,ÉŠÖ,·,éÝ'è,ì|—¹,Ä,·B

ŽÝ,ÉAf\_fCfAf\_fO\_f{fbfNfX,ì%E'α  
,ì^èCEQ,ð'€ì,μ,ÄA,»,ì¼,lflfvfVf#f",ðÝ'è,μ,Û,·B  
'Enable Link',ð'YES',É,·,é,ÆA¼,lOf%oftfBfbfNfXfEjftfg,Æ,ìACEg,a—  
e^Ö,É,È,è,Û,·B  
¼,ljftfg,Ä%æ'æ,ðNfŠfbfvf{||fh,ÉfRfs||,·,é,ÆAfo||f`fff<fyfCf"f^||

,í¼, ÷, É, » , ð%æ'œ, ðŽæ, èž, Ý, Ü, ·B  
, Ü, ½fo|f' fff'fyfCf'f^|, lfEfBf'fhfE, í¼, lf\ftfg, lfEfBf'fhfE, ð%œ, É%B, è, È, -  
, È, è, Ü, ·B

**'Enable Undo'** , í^—|, ðŽæ, èA, µ<@"\, ð—LCEø, É, ·, é, ©-  
³CEø, É, ·, é, ©, ðÝ'è, µ, Ü, ·B  
—LCEø, É, ·, é, Æ^—|, ð|—¹, µ, ½CEã|AŠÈ'P, ÉCE³, ð%æ'œ, É-ß, ·, ±, Æ, ð, Å, «, Ü, ·B  
, ½, ¾, µA, ½, , ³, ñ, lf|f, fŠ|, ð•K—v, Æ, ·, é, ½, ßf|f, fŠ|' <|Ú—Ê, ð, È, çfVfXfef€  
, âA<|'â, É%æ'œ, ð^µ, µè|, í^—|'—'x, ð'áCE, µ, ½, è|Af|f, fŠ|'•s'« , É, æ, è^—  
|, ð•s%Å"\, È, È, éè|, ð, , è, Ü, ·B  
—LCEø, É, ·, éŽž, í **'YES'** , ð, "l, Ñ%œ, ³, ç|B

**'Enable Focus'** , íŽâ'è, ðŽw'è<@"\, ð—LCEø, É, ·, é, ©-³CEø, É, ·, é, ©, ðÝ'è, µ, Ü, ·B  
—LCEø, É, ·, é, Æ%æ'œ, í't, Å|d—vž<, ·, é•"•ð, ðŽw'è, Å, «, é, æ, µ, È, è, Ü, ·B  
—LCEø, É, ·, éŽž, í **'YES'** , ð, "l, Ñ%œ, ³, ç|B

**'Default Size'** , í"ü—í%æ'œ, ð|o—|fTfCfY, ð-ç'è<, ðè|, É"K—  
p, ³, è, éfTfCfY, Å, ·B  
^è"É, ÉfXfLfffi|, ©, ç"ü—í, ³, è, ½%æ'œ, í"ü—ížž, É|o—|fTfCfY, ðCE^'è, ³, è, Å, ç  
, Ü, ·, ð|Aftf@fCf<, âfNfŠfbfvf{|fh, ©, ç"ü—í, ³, è, ½è|, í-ç'è<, É, È, Å, Å, ç, é, ±, Æ, ð, ,  
è, Ü, ·B  
, ±, lfTfCfY, lfŠfXfg, ð't, ©, ç, "l, Ñ%œ, ³, ç|B  
"Á, ÉŠY"—, ·, é, à, ð, ð-³, çè|, í **'Monitor'** , ð, "l, Ñ%œ, ³, ç|B

**'Always Default Size'** , ðf`fFbfN, ·, é, Æ|A"ü—í%æ'œ, ð'è<`fTfCfY, í-  
³ž<, ³, è|, É|ã<L, lfTfCfY, ð"K—p, ³, è, Ü, ·B

**Web fuf%œfEfu|** , È, Çf, fjf^|, ÅCE©, é, ±, Æ, ð-Ú"l, ð%æ'œ, í|A, ±, ð€-  
Ú, ðf`fFbfN, µ **'Default Size'** , ð **'Monitor'** , ÉÝ'è, ·, é, Æ, æ, ç, Å, µ, ð, µ|B

**'Signature or Title'** , ð%œ, ð|—¼—" , É, , È, ½, ð|—¼, âf^fCfgy<, ðÝ'è, µ, Ä  
%œ, ³, ç|B  
, ±, ð|—¼, íŠG%æ, É|', «ž, Ü, è, Ü, ·B|', «ž, p^È'u, í **'Align'** , Å'í'ð, Å, «, Ü, ·B|—  
¼, ð|', «ž, Ý, ½, , È, çè|, íA|—¼—" , ðó  
—" , É, ·, é, © **'Align'** , Å **'Cancel'** , ð'í'ð, µ, Ü, ·B, Ü, ½ **'FONT'** , Å, í|—  
¼, ð"íA'â, «, ³A|F, ð'í'ð, Å, «, Ü, ·B

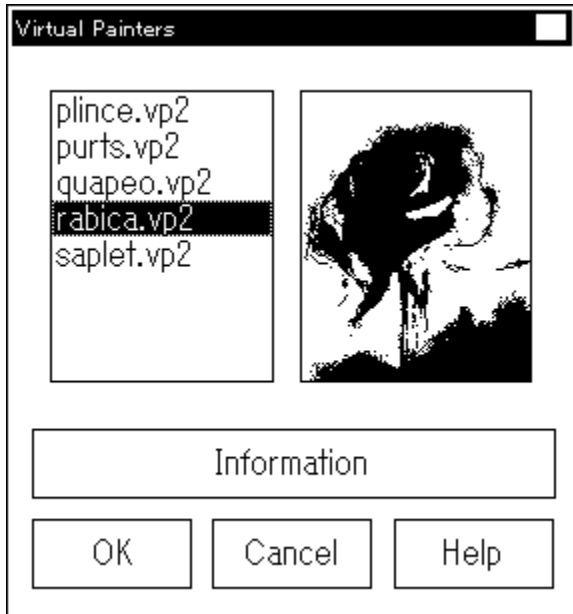
### œf|f|fCf'fg

fVfŠf'fg, ðF, í CRT f, fjf^|, ð'è'è'l, É, æ, Å, Äž©"®"l, É'²|®, ³, è, Ü, ·B  
fVfŠf'fg, ðF, ðC, É"ü, ç, È, çžž, íA'è'l, É"C^Ó, ðÝ'è, ·, é, ±, Æ, à-³É, Å, í, , è, Ü, ¹, ñ|  
B  
, ±, ðè|AfXf%œfCf\_|, ð%œ'æ, ð"l, ð'â, «, , È, é'öAfVfŠf'fg, lfRf'fg%œfXfg, í|, , -  
, È, è, Ü, ·B





Virtual Painters  
 plince.vp2  
 purts.vp2  
 quapeo.vp2  
 rabica.vp2  
 saplet.vp2

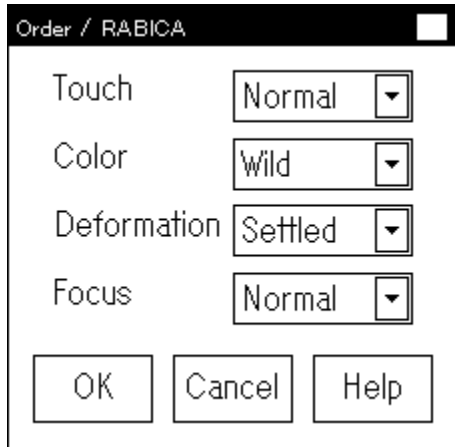


Information  
 OK Cancel Help

Expert Module  
 [Information]  
 LCE DPI



ŠeŃ€-Ú,É,Â,ç,Ä,İSó-],đřřXfg,İ't,©,ç'I'đ,μ,Ä%º,³,çB



'Wild' ,đ'I,Ô,Æ%¼'z%œ%Æ,İŽ©—R-z•ú,ÉŽdŽ-,đ,μ,Ü,·B

'Normal' ,Í•WŃ€"I,ÈŃÝ'è,Â,·B

'Settled' ,đ'I,Ô,Æ%¼'z%œ%Æ,ÍĀ´%œ,É'‰ŽÀ,ÉŽdŽ-,đ,μ,Ü,·B

**[Touch]**f^fbf` ,É,Â,ç,Ä

•MŃŌ,â,É,Ń,Ý,È,ÇŃA'fŃřŠ´ ,đ,ç,İ'ö"x•\,μ,Ä,æ,ç,©B

**[Color]**ŃF,É,Â,ç,Ä

ŃF,đ,ç,İ'ö"x•İ,İ,Ä,æ,ç,©B

**[Deformation]**•İĀ` ,É,Â,ç,Ä

Ā` ,đ,ç,İ'ö"x•İ,İ,Ä,æ,ç,©B

**[Focus]**Žâ'è<'²,É,Â,ç,Ä

Žâ'è,Æ"wĀi,Æ,đ,ç,İ'ö"x,Í,Á,«,è,Æ<æ•Ē,μ,Ä,æ,ç,©B

,È,ŃŃAŃÝ'è,Í%¼'z%œ%Æ-^,É"Æ—š,É•Ū'Ń,³,ê,Ü,·B

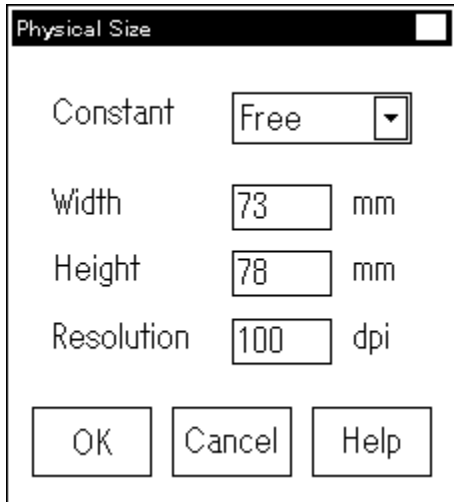
'Ń•Ń,đ•İŃX,·,éŽŽ^ÈŠŌ,É,½,Ń,½,ŃŃs,ꝛ•K—v,Í, ,è,Ü,¹,ňB



☐œ☐o—ÍfTfCfY,ì☐Ý'è,í☐ACE<%œÊ,É'â,«,%œe<ζ,μ,Û,·,ì,Â“Á,É'☐^Ó,ª•K—  
v,Â,·☐B

%œ¼'z%œæ%œÆ,í☐o—ÍfTfCfY,É%œž,¶,Ä•M,ðŽg,ç•ª,¯,Û,·☐B  
'â,«,É%œæ'œff☐|f^,ð☐¬,³,ÉŽt,É☐o—Í,·,é☐i= **DPI**  
,ª'â,«,ç☐jŽž,í'â,«,É•M,ðŽg,ç☐A<t,ì☐ê☐‡,í☐¬,³,É•M,ðŽg,ç,Û,·☐B  
,±,ê,É,æ,èŽÀ☐Û,É☐o—Í,³,ê,½Žž,É☐Á“K,ÈfTfCfY,ìf^fbf` ,Æ,È,è,Û,·☐B

,Û,·,CE»☐Ý,ì☐o—ÍfTfCfY,ðŠm”F,μ,Ä%œº,³,ç☐B  
%œæ'œ,ª“ü—Í,³,ê,é,Æ☐Af^fcfgf<,Æ<ª,É☐o—ÍfTfCfY,Æ DPI ,ª•\Ž|,³,ê,Û,·☐B  
“ü—Í,μ,½Žž”\_ ,Ä,·,Ä,É☐o—ÍfTfCfY,ªCE^ ,Û,Á,Ä,ç,½☐ê☐‡,í,» ,ì' ,ª•\Ž|,³,ê☐A-  
ç'è<` ,¾,Á,½☐ê☐‡,íŠÁ<<☐Ý'è,ÁfZfbfg,μ,½' ,ª•\Ž|,³,ê,Û,·☐B  
CE»☐Ý,ì' ,ªSó-],·,é☐o—ÍfTfCfY,Æ^Û,È,Á,Ä,ç,é☐ê☐‡,í^È%œº,ì,æ,ª  
,É,μ,Ä' ,ðŽw'è,μ,Ä%œº,³,ç☐B



,±,ìf\_fCfAf☐fO☐Ef{fbfNfX,Á☐o—ÍfTfCfY,ðŽw'è,·,é•û-@,í,R,Â, ,è,Û,·☐B

**(1). 'èCE^fŠfXfg,ì't,©,ç'l,Ô**

fŠfXfg,É,íŠô,Á,©,ì'èCE^ftfCfY,ª—p^Ó,³,ê,Ä,ç,Û,·☐B  
'èCE^ftfCfY,ð'l,ñ,¾☐ê☐‡☐A%œæ'œ,ì☐c%œ  
j"ä,ð^ÛŽ☐,μ,½,Û,Û,Ä☐A'èCE^ftfCfY,É"[ ,Û,é☐Á'â,ì'â,«,³,ª☐o—ÍfTfCfY,É,È,è,Û,·☐B  
**'Monitor'** ,ð'l,Ô,Æ CRT f,fjf^☐|,É•\Ž|,³,ê,é'â,«,³,ª☐o—ÍfTfCfY,É,È,è,Û,·☐B  
**'Free'** ,ìfŠfXfg,ì"à—e,ª“Á,ÉŽw'è,³,ê,Ä,ç,É,ç,±,Æ,ðŽ|,·,à,í,Ä☐A,±  
,ê,ð'l'ð,μ,Ä,à^Ó-ì, ,è,Û,¹,ñ☐B

**(2). ☐c,©%œi,ì'·,³,ðf~fŠf☐☐|fgf<'P^Ê,ÁŽw'è,·,é**

'Width' i%o;j,Ü,½,Í A'Height' i c;j,ì·,³,ð""l,ÅŽw'è,μ,Ü,·B

(3). %øđ'œ"x,ð DPI 'P^Ê,ÅŽw'è,·,é  
'Resolution',ð""l,ÅŽw'è,μ,Ü,·B

œf"ffCf"fg

•M,í'â,«,³,í DPI ,â'â,«,È,é'ö A'â,«,È,è,Ü,·B  
,Â,Ü,è A•M,ì'â,«,³,ðRf"fgf"ff<,·,é-Ú"l,Å DPI ,ð•iX,·,é,±,Æ,à%oÂ"\,Â,·B  
,v,...,fuf%ofEfU|,È,Ç,ÅŽg,æ%oæ'œ,ì,æ,æ,Éf,fff^|,ð<ß,-  
,ÅCE©,éê±,íADPI,ðŽÀÛ,æ,è-³,Ý'è,μ,½•û,²-ÇD,Èê±,à, ,è,Ü,·B  
,½,¾,μ DPI ,É,Í-LCEø"í'í,², ,èA,±,é,ð%oz,ì,éÝ'è,ð,μ,Å,àCEÀ"x"à,ì^—  
μ,©s,í,ê,Ü,¹,ñB  
DPI ,ì-LCEø"í'í,í%o¼'z%oæ%oÆ,²,Æ,É^Ù,È,è,Ü,·B@,±,ê,Í[Information]  
,Å'²,x,é,±,Æ,²o—^,Ü,·B



%¼'z%æ%Æ,ÍŽÊ^,©,çŽă'èi□d—v•"•a□j,đŽ©“®“l,ÉŽ•Ê,μ,Û,·,ª□Aft□  
 fU□,ª“Á'è,ì•"•ª,đŽw'è,·,é,±,Æ,à%Á"\\,Á,·□B  
 Žă'è•"•ª,í¼,ì•"•ª,É"ä,x,ĂĎ,ÍŽÊ^,É'ŽÀ,É□—□,³,ê,Û,·□B  
 ,±,ì<@"\\,ì—LĎ^—³Ď,ìØ'Ö,ÍŠĂ<<□Ý'è,Á□s,ç,Û,·□B  
 ,±,ì<@"\\,ª—LĎ,ÈŽŽ,í%æ'œ"ü—íĎ□Af}fEfXfj□|f|f<,ªŽè,ìĎ` ,É,È,è,Û,·□B

^È%º,ÍŽă'èŽw'è,ìŽè□‡,Á,·□B



□d—v•"•ª,đ'È%~ ,Á'í,Á,ĂŽw'è,μ,Û,·□B  
 ,±,ì'€□,É,ìf}fEfX,ì%E,Æ□□,ìf{f^f"€□,ª•K—v,Á,·□B  
 ,P□D□Á□%º,ì□fNfŠfbfN,Á□A'È%~ ,ì^è,Á—Ú,ì' " ,ªĎ^è,μ,Û,·□B  
 ,Q□D,Q%ºñ—Ú,ì□fNfŠfbfN,Á□A'È%~ ,ì'•Ó,ªĎ^,Û,è,Û,·□B  
 ,R□D,R%ºñ—Ú,ì□fNfŠfbfN,Á□A'È%~ ,ì•□,ªĎ^,Û,è^è,Á,ì—ì^æ,ªŠ@□—,μ,Û,·□B  
 ,S□D^ÈĎă□A,±,ìŽè□‡,đĎJ,è•Ô,·,±,Æ,Á□Á'â,Q,OĎĎ,ì'È%~ ,ª□,è,Û,·□B  
 ,T□D'È%~ ,í□d,É,è□‡,±,±,Æ,à%Á"\\,Á,·□B  
 ,U□DŠ@□—,μ,½'È%~ ,đ□œ<Ž,·,é,É,ì□A,Û, , 'È%~ ,ì"à•",Á%EfNfŠfbfN,μ,Û,·□B  
 □@□@^ÈĎă□A%EfNfŠfbfN,đĎJ,è•Ô,·,±,Æ,Á□A'È%~ ,đ□ì□—,μ,½%ºß'ö,đ<t,É  
 □@□@i□s,Á,« ,Û,·□B

**□œf□f“f|fCf“fg**

'È%~ ,ì^É'u,â'â,« ,³,ì³Šm,Á, ,é•K—v,í, ,è,Û,¹,ñ□B  
 Žă'è,đ,“ ,Û,©,É'í,ñ,Á,ç,ê,ì□\•ª,Á,·□B  
 'È%~ ,í%æ'œ,ìŠO,É,í,Ý□o,μ,ĂŽw'è,·,é,±,Æ,à%Á"\\,Á,·□B  
 ,±,ì□è□‡□A%æ'œ,đ□k□—,μ,Á•Ž!,·,é,ÆŠy,É□s,ì,Û,·□B

,Û,½□AĎë,Á,Ă%æ—Ê,đfNfŠfbfN,μ,Ă,μ,Û,Á,½□è□‡□A  
 %Ef{f^f“ ,ìfNfŠfbfN,É,æ,Á,Á'€□,đŽæ,è□Á,¹,é,±,Æ,đŠo,ì,Ä,“ ,ç,Ă%º,³,ç□B

,Û,½□A,±,ì<@"\\,ìĎ%ºÊ,í%¼'z%æ%Æ,Ö,ì'□•□,Á  
 [Focus] ,đ 'Wild' ,É□Ý'è,·,é,±,Æ,Á□Á'â,É,È,è,Û,·□B



”~‘° □, Taka Umemura

1962”N“Œ<ž□¶,Ü,ê□B

f\ftfgfEjFfA□EfffUfCfi□|

“s—š’→“c□,□Z’²□ACE»‘ă”ü□pBasicf[f~fi□|f<’t’p□B

Š”Ž®%oiZĐfVftfj,đŒeo,Ä□ACE»□ÝftfŠ□|□B

□\_“p□iŒŒ\$“i’òŽs□Ý□Z□B

1990, ‘æ,Q%oňPIXEL CG fOf%of“fvfŠ□@□|—D□G□Ü□|

1989, ‘æ,P%oňPIXEL CG fOf%of“fvfŠ□@□|□R□,^öŒ\$—ă□Ü□|

1987, ‘æ,S%oňf`f#fCfX ”N“x□Ü□@□@□@□|“ü□Ü□|

1994, ŒĀ“W□|Painting With Computer□|(fVfjS□Afgf%ofCfjf“‘ăŠw)

1993, fffWf^f<fCf□□|fW“W(“Œ<ž□A’ă□ă)

1992, Art Art 92(“Œ<ž)

1992, fffWf^f<fCf□□|fW“W(“Œ<ž)

1992, Imagina 92(f,f“fefjf<f□)

1991, fnfCfefN□EjA□|fg“W(“Œ<ž)

1991, fffWf^f<fCf□□|fW“W(“Œ<ž)



