

StylusTracer

COLLABORATORS

	<i>TITLE :</i> StylusTracer		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY		June 25, 2022	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

1 StylusTracer	1
1.1 StylusTracer Help Table of Contents	1
1.2 project	2
1.3 open	3
1.4 save	3
1.5 saveas	3
1.6 autotrace	3
1.7 close	3
1.8 about	4
1.9 quit	4
1.10 process	4
1.11 undo	4
1.12 smooth	5
1.13 average	5
1.14 median	5
1.15 blur	5
1.16 gradient	6
1.17 region	6
1.18 minimum	6
1.19 maximum	6
1.20 procmisc	6
1.21 posterize	7
1.22 remove_iso	7
1.23 sharpen	7
1.24 edge_detect	7
1.25 thin	8
1.26 scale	8
1.27 remap	8
1.28 invert	8
1.29 strip_bits	8

1.30	brightness	9
1.31	contrast	9
1.32	gamma	9
1.33	convert	9
1.34	bw	10
1.35	grey	10
1.36	indexed	10
1.37	full_color	10
1.38	summary	11
1.39	misc	11
1.40	help	11
1.41	active	11
1.42	background	12
1.43	screen_mode	12
1.44	display	12
1.45	user	12
1.46	rexecute	12
1.47	toolbox	13
1.48	zoomin	13
1.49	zoomout	14
1.50	palette	14
1.51	eyedropper	14
1.52	crop	14
1.53	cropreq	14
1.54	polygon	14
1.55	flood	15
1.56	rectangle	15
1.57	line	15
1.58	paint	15
1.59	brushes	15

Chapter 1

StylusTracer

1.1 StylusTracer Help Table of Contents

The Project Menu	
Open...	
Save...	DEMO VERSION HELP TEXT IS LIMITED.
Save As...	However, see AutoTrace, Background & Convert.
AutoTrace...	
Close	
About...	
Quit	TECHNICAL SUPPORT: If you need further
The Process Menu	assistance, you can reach us below.
Undo	Please mention your registration number.
Smooth	We reserve the right to refuse technical
Misc	support to non-registered users.
Remap	
Convert	
The Misc	

Menu Stylus, Inc.
Help... P.O. Box 1671
Active... Ft. Collins, CO 80522
Background... (303) 484-7321
Screen Mode... Monday through Friday
Display Prefs... 9:00 am to 5:00 pm MST

The

User
Menu and ARexx®
Rexxecute...
The
Touch-Up Toolbox
Zoom In
Zoom Out
Palette
Eye Dropper
Crop
Polygon
Flood Fill
Rectangle
Line
Paint
1x1 Brush
3x3 Brush
5x5 Brush
7x7 Brush

1.2 project

Menu: Project

***** DEMO VERSION *****

1.3 open

Menu Item: Project/Open...

Command Key: Right_Amiga-O

***** DEMO VERSION *****

1.4 save

Menu Item: Project/Save...

Command Key: Right_Amiga-S

***** DEMO VERSION *****

1.5 saveas

Menu Item: Project/Save As...

Command Key: Not available

***** DEMO VERSION *****

1.6 autotrace

Menu Item: Project/AutoTrace...

Command Key: Right_Amiga-T

***** DEMO VERSION *****

Hints:

Set the

Misc/Background
first.

See

Process/Convert
.

1.7 close

Menu Item: Project/Close

Command Key: Right_Amiga-C

***** DEMO VERSION *****

1.8 about

Menu Item: Project/About...

Command Key: Not available

***** DEMO VERSION *****

1.9 quit

Menu Item: Project/Quit

Command Key: Right_Amiga-Q

***** DEMO VERSION *****

1.10 process

Menu: Process

The various image-processing effects of the Process menu allow you to distill your image to its important details.

A

Summary of Image Processing Commands is available. The summary is designed to help you decide which process is appropriate for a given image.

Many of the operations of StylusTracer require that the image first be converted to a particular internal representation before it can be operated upon. When menu items are not available, they will be ghosted. See the

Convert »
submenu for more information.

Undo

Smooth »

Misc »

Remap »

Convert »

1.11 undo

Menu Item: Process/Undo

Command Key: Right_Amiga-U

***** DEMO VERSION *****

1.12 smooth

Submenu: Process/Smooth »

Average...

Median...

Blur...

Gradient...

Region...

Minimum...

Maximun...

1.13 average

Menu Item: Process/Smooth/Average...

Command Key: Right_Amiga-A

***** DEMO VERSION *****

1.14 median

Menu Item: Process/Smooth/Median...

Command Key: Right_Amiga-M

***** DEMO VERSION *****

1.15 blur

Menu Item: Process/Smooth/Blur...

Command Key: Not available

***** DEMO VERSION *****

1.16 gradient

Menu Item: Process/Smooth/Gradient...

Command Key: Not available

***** DEMO VERSION *****

1.17 region

Menu Item: Process/Smooth/Region...

Command Key: Not available

***** DEMO VERSION *****

1.18 minimum

Menu Item: Process/Smooth/Minimum...

Command Key: Not available

***** DEMO VERSION *****

1.19 maximum

Menu Item: Process/Smooth/Maximum...

Command Key: Not available

***** DEMO VERSION *****

1.20 procmisc

The Process/Misc » Submenu...

Posterize...

Remove Isolated...

Sharpen...

Edge Detect

Thin...

Scale...

1.21 posterize

Menu Item: Process/Misc/Posterize...

Command Key: Not available

***** DEMO VERSION *****

1.22 remove_iso

Menu Item: Process/Misc/Remove Isolated

Command Key: Not available

***** DEMO VERSION *****

1.23 sharpen

Menu Item: Process/Misc/Sharpen...

Command Key: Not available

***** DEMO VERSION *****

1.24 edge_detect

Menu Item: Process/Misc/Edge Detect

Command Key: Not available

***** DEMO VERSION *****

1.25 thin

Menu Item: Process/Misc/Thin...

Command Key: Not available

***** DEMO VERSION *****

1.26 scale

Menu Item: Process/Misc/Scale...

Command Key: Not available

***** DEMO VERSION *****

1.27 remap

Menu: Process/Remap »

The Process/Remap » Submenu...

Invert

Strip Bits...

Brightness...

Contrast...

Gamma...

1.28 invert

Menu Item: Process/Remap/Invert

Command Key: Not available

***** DEMO VERSION *****

1.29 strip_bits

Menu Item: Process/Remap/Strip Bits...

Command Key: Not available

***** DEMO VERSION *****

1.30 brightness

Menu Item: Process/Remap/Brightness...

Command Key: Not available

***** DEMO VERSION *****

1.31 contrast

Menu Item: Process/Remap/Contrast...

Command Key: Not available

***** DEMO VERSION *****

1.32 gamma

Menu Item: Process/Remap/Gamma... (Gamma Brightness)

Command Key: Not available

***** DEMO VERSION *****

1.33 convert

Menu Item: Process/Convert »

StylusTracer may use any of the following four color models for its internal representation (ie. how the bitmap is stored in system memory) of the image being processed: Black & White, Greyscale, Indexed, or Full Color (24-bit). Some color models are more appropriate for certain operations; some models will not allow certain processes or commands. If a command is not available with the current color model, its menu item will be ghosted.

Most processes compare the respective Red, Green, and Blue values (RGB channels) of pixels in the bitmap; and thus, must be converted to the Full Color(24-bit) state. Other operations compare the relative intensities of pixels, and require one of the other color models. All of the conversion operations operate on the pixel intensities.

In general, indexed images must be converted to either Greyscale or Full Color before most processes can be performed on them. Indexed and Black & White images are limited to the Remove Isolated, Thin, and Invert commands. Full Color images must be converted to one of the other three models before tracing.

Black+White...

Greyscale

Indexed...

Full Color

1.34 bw

Menu Item: Process/Convert/Black+White...

Command Key: Right_Amiga-B

***** DEMO VERSION *****

1.35 grey

Menu Item: Process/Convert/Greyscale...

Command Key: Right_Amiga-G

***** DEMO VERSION *****

1.36 indexed

Menu Item: Process/Convert/Indexed...

CommandKey: Right_Amiga-I

***** DEMO VERSION *****

1.37 full_color

Menu Item: Process/Convert/Full Color

Command Key: Right_Amiga-F

***** DEMO VERSION *****

1.38 summary

***** DEMO VERSION *****

1.39 misc

Submenu: Misc

The Misc menu items

Help...

Active...

Background...

Screen Mode...

Display Prefs...

1.40 help

Menu Item: Misc/Help...

Command Key: Right_Amiga-H

Choosing the Misc/Help... menu item opens the on-line help data-base provided with StylusTracer. StylusTracer on-line help utilizes the standard AmigaGuide hyper-text help utility.

Simply choosing this menu item opens the Help data-base to its table of contents. From there you can browse the Help file, or select a gadget to jump to the Help for a specific function.

If you press the Help key while the mouse pointer is over a menu item or Toolbox tool, the Help data-base will open directly to the Help for that function; similarly, if the Help data-base is already open, it will jump to the appropriate text.

1.41 active

Menu Item: Misc/Active...

Command Key: Not available

***** DEMO VERSION *****

1.42 background

Menu Item: Misc/Background...

Command Key: Right_Amiga-0

The Background requester allows you to specify one color as background. The Background color will not be traced, but will be treated simply as the background upon which the objects are drawn. Some of the image-processing commands (Process/Misc/Thin, among others) are also dependent on this setting.

This should be set IMMEDIATELY BEFORE tracing EACH new bitmap!

1.43 screen_mode

Menu Item: Misc/Screen Mode...

Command Key: Not available

***** DEMO VERSION *****

1.44 display

Menu item: Misc/Display Prefs...

Command Key: Right_Amiga-P

***** DEMO VERSION *****

1.45 user

Menu: User

The User menu has one default menu item,

Rexxecute...

. Other

menu items may be added to it with the ARexx startup macro (named "StylusTracer.strx" by default). These User menu items can be assigned to ARexx macros of the user's choice. Several useful examples are provided with the commercial release of StylusTracer.

1.46 rexxecute

Menu Item: User/Rexxecute...

Command Key: Right_Amiga-R

Choosing the User/Rexxecute... menu item opens a file requester which by default, lists the contents of the REXX: logical device (directory). You may select any StylusTracer macro and run it by clicking on the OK gadget.

Additional menu items can be added to the User menu to call macros directly without needing to open the file requester. See the

User
menu.

1.47 toolbox

The Touch-Up Toolbox...

Zoom In
Zoom Out

Palette
Eye Dropper

Crop
Polygon

Flood Fill
Rectangle

Line
Paint

1x1 Brush
3x3 Brush

5x5 Brush
7x7 Brush

1.48 zoomin

Tool: Zoom In

Hotkey: i (In) - optional keys: > and +

***** DEMO VERSION *****

1.49 zoomout

Tool: Zoom Out

Hotkey: o (Out) - optional keys: < and -

***** DEMO VERSION *****

1.50 palette

Tool: Palette Requester

Hotkey: Not available

***** DEMO VERSION *****

1.51 eyedropper

Tool: Eye Dropper

Hotkey: Not available

***** DEMO VERSION *****

1.52 crop

Tool: Crop

Hotkey: Not available

***** DEMO VERSION *****

1.53 cropreq

Tool: Shift-Crop

***** DEMO VERSION *****

1.54 polygon

Tool: Polygon

Hotkey: Not available

***** DEMO VERSION *****

1.55 flood

Tool: Flood Fill

Hotkey: Not available

***** DEMO VERSION *****

1.56 rectangle

Tool: Rectangle

Hotkey: Not available

***** DEMO VERSION *****

1.57 line

Tool: Line

Hotkey: Not available

***** DEMO VERSION *****

1.58 paint

Tool: Paint

Hotkey: Not available

***** DEMO VERSION *****

1.59 brushes

Tools: Brushes

Hotkey: Not available

***** DEMO VERSION *****