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WELCOME TO COREL KPT COLLECTION

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WELCOME TO COREL KPT COLLECTION

Welcome to Corel® KPT® Collection, the revolutionary KPT series of filters designed to help you create dazzling and unique effects.

THE COREL KPT COLLECTION FILTERS

Corel KPT Collection includes 24 extraordinary filters that produce dazzling and unique effects for print and the Web.

KPT FIBEROPTIX

The KPT® FiberOptix™ filter lets you create realistic hair, fur, rain showers, and more. You can control the length, color, and tint of each fiber you create on a source image. Using a mask, you can create fibers in specific shapes; for example, you can create hair that grows as text.

KPT FRAX4D

The KPT® Frax4D™ filter lets you create 3-D sculptures out of fractal space. You can wrap these sculptures with any environment map. You can also rotate sculptures and render them as images.

KPT BLURRRR

The KPT® Blurrrr™ filter lets you manipulate the pixels in a source image to soften, smooth, and blend its edges and colors.

KPT EQUALIZER

The KPT® Equalizer™ filter lets you use a variety of filters to add interesting effects to images by manipulating their frequencies; for example, you can sharpen or blur images.

KPT FRAXPLORER

The KPT® FraxPlorer™ filter lets you create an infinite variety of fractal patterns. You can also customize fractals using various color, contrast, distortion, and zooming tools.

KPT SHAPESHIFTER

The KPT® ShapeShifter™ filter lets you apply interesting effects to objects; for example, you can apply bevels, graphics and text layers, and dimensions. You can also use environment and bump maps to achieve reflections and surface texture. You can create multiple objects at once; for example, by loading a mask with the shapes of each letter in a font set, you can turn the shapes into 3-D buttons for a Web site.

KPT NOIZE

The KPT® Noize™ filter lets you explore a variety of mathematically generated noise patterns that can be used as textures, patterns, or noise maps. You can select a noise family, mutate it to explore its variations, and apply it to a source image.

KPT GEL

The KPT® Gel™ filter lets you use paint tools to create 3-D images, text treatments, and objects such as buttons and borders. You can use lighting effects, tinting, and transparency to control the qualities of effects.

KPT GOO

The KPT® Goo filter lets you create effects that simulate the look of gelatin finger-painted on a source image. You can smear, splatter, swirl, pinch, or bulge images to create unique results. You can also use animation controls to save effects as movies.

KPT LENSFLARE

The KPT® LensFlare™ filter lets you apply interesting effects on a source image to simulate the photographic reflections created by a bright light shining on a camera lens. For example, you can create glows, halos, and streaks of light.

KPT MATERIALIZER

The KPT® Materializer™ filter lets you create complex textures, stunning backgrounds, and dazzling text treatments on source images. You can import bump maps and scale, pan, and rotate them to achieve interesting effects. You can also use lighting controls to manipulate surface textures.

KPT PROJECTOR

The KPT® Projector™ filter lets you use warping effects to create 2-D perspective distortions and 3-D transformations on source images. You can also create infinite planar tiling at any angle, and you can use anisotropic light filtering.

KPT REACTION

The KPT® Reaction™ filter lets you use patterns and diffusion options to create realistic simulations of organic textures, such as the growth pattern of coral or the stripes on a zebra.

KPT TURBULENCE

The KPT® Turbulence™ filter lets you create waves on a surface image. As the waves distort the image, they become animated and fluid. You can apply color blends to the waves. You can also take a snapshot of the waves that you can apply to a source image, or you can save the waves in motion as a movie.

KPT RADWARP

The KPT® RadWarp™ filter lets you use a simulated camera effect called barrel distortion to warp the edges of images. You can also correct barrel distortion on images.

KPT CHANNEL SURFER

KPT® Channel Surfer™ lets you apply effects to individual channels in an image. You can blur or sharpen a channel, or adjust its contrast or value. You can adjust the amount and transparency of the effect, and control how the effect blends with the source image.

KPT FLUID

KPT® Fluid™ lets you manipulate images by applying liquid-like transformations and distortions that simulate dragging a brush across a wet surface. You can control the effect by setting the thickness of the fluid as well as the brush size and velocity. You can use various preview techniques to fine tune the effect, and choose to save the fluid in motion as a movie.

KPT FRAXFLAME II

KPT® FraxFlame II™ lets you explore and mutate an infinite variety of flame fractals. You can also customize fractals with various color, contrast, and distortion techniques.

KPT GRADIENT LAB

KPT® Gradient Lab™ lets you create complex color blends with various levels of transparency. You can also customize gradients with interesting shapes, styles, and pixel distortions.

KPT HYPER TILING

KPT® Hyper Tiling™ lets you create and save intricate tiling effects by reducing the source image to create a tile. The tile is then repeated to create a hyper tiling effect. You can create different blends between the source image and the effect, and change the perceived distance from the effect. You can also change the depth, transparency, position, and size, of the effect, and rotate it through space.

KPT INK DROPPER

KPT® Ink Dropper™ lets you create the effect of dropping colored liquid (ink) on glass, canvas, or into another liquid. You can also create your own background images. You can choose the color of the liquid, and change its intensity and transparency. You can also change the size of the individual drops, and the rate at which they disperse on the surface.

KPT LIGHTNING

KPT® Lightning™ lets you create powerful, customized lightning bolts. You can control every aspect of a lightning bolt, from setting its length and color, to determining its path and how much it zags and wanders. The lightning effect can then be realistically integrated into your source image using one of several blend modes.

KTP PYRAMID PAINT

KPT® Pyramid Paint™ uses the Lab color mode to let you transform source images into effects that resemble paintings, and perform various color and contrast adjustments to them.

KPT SCATTER

KPT® Scatter™ is a 2-D particle system that lets you scatter a range of particles over a source image. You can scatter large masses of particles over an effect, or create densely packed particles to emulate intricate effects such as paint strokes or mosaics. You can also create special effects based on the way particles interact with the properties of a source image.

ABOUT THE USER GUIDE

The Corel KPT Collection User Guide assumes you are already familiar with basic Mac OS® and Windows® concepts — menus, dialog boxes, and mouse operations, such as clicking and dragging. If you need more information on these subjects, or about the Apple® Finder™ or the Windows desktop, refer to the Mac OS® User Manual or the Microsoft® Windows® User Guide, respectively.

USER GUIDE CONVENTIONS

The Corel KPT Collection User Guide is for both Mac OS and Windows platforms. By convention, Mac OS commands precede Windows commands in the text. For example, Command/Ctrl + I, is equivalent to the Mac OS Command + I and the Windows Ctrl + I, and indicates that you must hold down the Command or Ctrl key, and press I. The term “folder” refers to directories as well as folders. The Corel KPT Collection interface for Mac OS and Windows platforms is identical, unless otherwise specified.

ABOUT COREL CORPORATION

Founded in 1985, Corel Corporation (www.corel.com) is a leading technology company specializing in content creation tools, business process management and XML-enabled enterprise solutions. The company's goal is to give consumers and enterprise customers the ability to create, exchange and instantly interact with visual content that is always relevant, accurate and available. With its headquarters in Ottawa, Canada, Corel's common stock trades on the Nasdaq Stock Market under the symbol CORL and on the Toronto Stock Exchange under the symbol COR.

COREL CUSTOMER SUPPORT SERVICES

Corel Customer Support Services can provide you with prompt and accurate information about product features, specifications, pricing, availability, services and technical support.

ONLINE SUPPORT SERVICES

For information about online support services, visit www.corel.com. Please note, some of the services are available only in English.

TELEPHONE SUPPORT SERVICES

Web services	Description
Corel® Knowledge Base	Allows you to read, print and download documents that contain answers to many technical questions.
Newsgroups (peer-to-peer forums)	Allow you to exchange information, tips and techniques with other users of Corel products.
Downloads	Allow you to download product patches, updates and trial versions.

For detailed information regarding telephone support services, please visit **www.corel.com**.

Live telephone support services are available for all Corel products from warranty support (30 days) to fee-based Priority and Premium Services. OEM, “white box,” jewel case (CD only), trial, and Academic versions of Corel products are eligible for fee-based support services only.

NORTH AMERICA

For pricing, purchasing, or general inquiries about Corel products, you can call Customer Service toll-free at 1-800-772-6735.

To speak directly to a technician please dial 1-613-274-0500. The hours of operation are 8:30 a.m. to 7:30 p.m., Monday to Friday, Eastern Standard Time (EST).

OUTSIDE NORTH AMERICA

For pricing, purchasing, or general inquiries about Corel products, you can call Customer Service toll-free at 1-800-267-35127. If the country you are calling from is listed below, please call the corresponding number.

Please note that these numbers may change as we adapt our services to fit user needs. Check the international support numbers page at **www.corel.com** for the most up to date contact details.

Contact Customer Service for pricing, purchasing, general inquiries, or replacement CDs. Contact Technical Support Services should you require technical assistance operating your Corel software.

Country	Customer Service	Technical Support
Argentina	0800 777 3203	57 1 523 1240
Australia	1 800 658 850	61 2 8844 4101
Austria	0192 89600	0192 89600
Belgium (Dutch)	0240 06733	0240 06733
Belgium (French)	0240 06777	0240 06777
Brazil	0800 14 1212	55 11 5696 5797
Chile	54 0800 777 3203	57 1 523 1240
China	10 800 610 2323	10 800 610 2673
Colombia	01 800 091 9370	57 1 523 1240
Czech Republic	0224 239645	0224 239645
Denmark	352 58008	352 58008
Finland	922 906040	922 906040
France	0170 706090	0170 706090
Germany	06922 2220288	06922 2220288
Hong Kong	800 964 514	800 964 515
Hungary	204 117089	204 117089
Indonesia	1 803 61 539	1 803 61 544
Ireland	0124 77724	0124 77724
Israel	44 1628 581601	44 1628 581601
Italy	0236 003600	0236 003600
Japan	81 3554 53274	81 3531 93013
Luxembourg	44 1628 581603	44 1628 581603
Malaysia	1 800 807 895	1 800 807 899
Mexico	1 800 1234 854	57 1 523 1240
Netherlands	0207 132700	0207 132700
New Zealand	0508 267 351	0800 908 592
Norway	229 71908	229 71908
Poland	071 3477279	071 3477279
Portugal	44 1628 581601	44 1628 581601
Singapore	800 6161 853	800 6161 854
South Africa	0860 223 388	0860 223388
South Korea	82 2 3444 5166	82 2 3444 5166
Spain	0914 141500	0914 141500
Sweden	0856 610555	0856 610555
Switzerland (German)	0158 03280	0158 03280

MAIL AND FAX SUPPORT SERVICES

You can send inquiries to Corel Support Services representatives by mail or fax.

Corel Support Services
1600 Carling Avenue
Ottawa, Ontario, Canada
K1Z 8R7
Fax: 1-613-761-9176

GETTING STARTED

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GETTING STARTED WITH COREL KPT COLLECTION

Corel KPT Collection is an extraordinary collection of filters that produce dazzling and unique effects for print and the Web. Whether you are a professional designer, artist, Web author, or hobbyist, the Corel KPT Collection filters will help you take your work to a new creative level, and enhance your productivity.

INSTALLING COREL KPT COLLECTION

You can install Corel KPT Collection in host applications compatible with Mac OS and Windows.

TO INSTALL COREL KPT COLLECTION IN MAC OS

- 1 Insert the Corel KPT Collection CD into the computer's CD drive.
- 2 Browse to the **Corel KPT Collection** folder.
- 3 Double-click the **Corel KPT Collection installer** icon.
- 4 Follow the instructions on your screen.

TO INSTALL COREL KPT COLLECTION IN WINDOWS

- 1 Insert the **Corel KPT Collection** CD into the computer's CD drive.
- 2 Click **Install**.
- 3 Follow the instructions on your screen.

STARTING AND QUITTING FILTERS

You can access a Corel KPT Collection filter from the host application. You can quit a Corel KPT Collection filter in two ways. You can quit a filter and apply the effect to the source image in the host application. You can also quit a filter without applying the effect to the source image in the host application.

TO ACCESS A FILTER

- ▷ Do one of the following:
 - In Adobe® Photoshop®, click **Filters ▶ Corel KPT Collection**, and click a filter.
 - In Painter, click **Effects ▶ Corel KPT Collection**, and click a filter.
 - In Corel PHOTO-PAINT, click **Effects ▶ Corel KPT Collection**, and click a filter.
 - In Bryce®, click a flyout arrow in the **Pictures** dialog box in **Picture editor**, click **Corel KPT Collection**, and click a filter.

Note

If you want to access a Corel KPT Collection filter in Bryce for the first time, you must first click a flyout arrow in the **Pictures** dialog box, click **Select plug-ins folder**, choose the folder where Corel KPT Collection is installed, and click **Choose/OK**.

TO QUIT A FILTER

- ▷ Click one of the following buttons:
 - **OK** — to quit a filter and apply the effect
 - **Cancel** — to quit a filter without applying the effect

USING PANELS AND SLIDERS

You can set the style in which panels display. You can also move sliders.

TO SET A PANEL DISPLAY STYLE

- 1 Click the filter name.
- 2 From the **Filter options** list box, choose one of the following styles:
 - **Panel auto popup** — to automatically expand panels as you move the pointer over them
 - **Panel manual popup** — to manually expand panels by clicking the **Cycler** button in the title bar
 - **Panel solo mode** — to expand the current panel and automatically collapse those not in use

Tip

In **Panel auto popup** mode, sliders expand to display a panel with additional controls you can use to adjust slider settings incrementally, and view previous slider settings (indicated by the location of the gray arrow).

In **Panel manual popup** mode, you can expand a panel by clicking the **Cycler** button in the right corner of its title bar.

In **Panel solo mode**, you can collapse an expanded panel by double-clicking its title bar.

TO MOVE A SLIDER

- Drag the black slider arrow.

PREVIEWING FILTER EFFECTS

The **Preview** window lets you dynamically view the results of your work. You can apply a background to the **Preview** window. You can also move and size the **Preview** window.

TO APPLY A BACKGROUND TO THE PREVIEW WINDOW

- Click the flyout arrow in the **Preview** window, and choose one of the following options from the **Preview options** list box:
 - **Preview against black** — to display an effect against a solid black background
 - **Preview against white** — to display an effect against a solid white background
 - **Preview against checkerboard** — to display an effect against a background of gray squares
 - **Preview against dark checkerboard** — to display an effect against a background of dark gray squares
 - **Preview against gradient** — to display an effect against a grayscale gradient background

Note The effect only displays against the background while it is in the **Preview** window. The background is not applied to the source image in the host application, and does not impact the final render of the effect.

TO MOVE THE PREVIEW WINDOW

- Drag the title bar.

TO SIZE THE PREVIEW WINDOW

- 1 Click the flyout arrow in the **Preview** window.
- 2 From the **Preview options** list box, choose one of the following **Preview** window sizes:
 - **Small preview**
 - **Medium preview**
 - **Large preview**

CUSTOMIZING THE WORKSPACE

You can apply a fun icon style to the common workspace. If the KPT workspace is smaller than the resolution of your screen, you can also display or hide common workspace controls.

TO APPLY A FUN ICON STYLE TO THE COMMON WORKSPACE

- 1 Click the **KPT** logo.
- 2 Choose **Smileys!** from the **Global options** list box.

TO DISPLAY OR HIDE COMMON WORKSPACE CONTROLS

- 1 Click the **KPT** logo.
- 2 Choose **Black out screen** from the **Global options** list box.

STORING WORKSPACE AND PANEL SETTINGS

Storing workspace settings lets you save different workspace layouts. For example, you can arrange all panels on one side of the workspace and enlarge the **Preview** window, and then save this layout for later use.

Storing panel settings lets you save and compare different versions of a filter effect.

The workspace and panel settings you save are retained from one session to another, so you can use them again and again. When you no longer need stored workspace and panel settings, you can clear them. You can also restore default workspace or panel settings.

TO STORE WORKSPACE SETTINGS

- Click a gray memory dot in the **Layout** panel.

Empty memory dots display gray, full

Note memory dots display green, and memory dots currently in use display yellow.

TO STORE PANEL SETTINGS

- Click a gray memory dot in the **Recall** panel.

TO USE STORED WORKSPACE OR PANEL SETTINGS

- Click a green memory dot in one of the following panels:
 - Layout** — to use stored workspace settings
 - Recall** — to use stored panel settings

TO CLEAR STORED WORKSPACE OR PANEL SETTINGS

- Hold down **Option/Alt**, and click the corresponding green memory dot in one of the following panels:
 - Layout** — to clear stored workspace settings
 - Recall** — to clear stored panel settings

TO RESTORE DEFAULT WORKSPACE OR PANEL SETTINGS

- Click the memory dot in the center of one of the following panels:
 - Layout** — to restore default workspace settings
 - Recall** — to restore default panel settings

Working with presets

Some Corel KPT Collection filters provide you with preset effects. You can load a preset effect. You can also save an effect you create as a preset. You can create multiple presets categories in which to organize the presets you store.

You can import and export presets.

TO LOAD A PRESET

- Click the **Presets** button.
- Double-click a preset thumbnail in the **Presets library** panel.

If the preset is stored in a category, you must first choose the category from the middle-left tile of the **Presets library** panel, then double-click a preset thumbnail.

You can preview a preset by

single-clicking a preset thumbnail. A

Note larger version of the preset thumbnail displays in the upper-left tile of the **Presets library** panel.

TO SAVE AN EFFECT AS A PRESET

- Click the **Presets** button.

- 2 Choose a category from the middle-left tile of the **Presets library** panel.
- 3 Click **Add preset**.

A preset thumbnail displays in the **Presets library** panel.

Note You can also delete a preset from a category by clicking a preset thumbnail, and clicking **Delete preset**.

TO CREATE A PRESETS CATEGORY

- 1 Click the **Presets** button.
- 2 Click the flyout arrow in the **Presets library** panel, and click **Create new category**.
- 3 A text box displays in the middle-left tile of the **Presets library** panel.
- 4 Type a name.
- 5 Press **Return/Enter**.

Each category can store up to 24 presets.

TO IMPORT A PRESET

- 1 Click the **Presets** button.
- 2 Click **Import** in the **Presets library** panel.

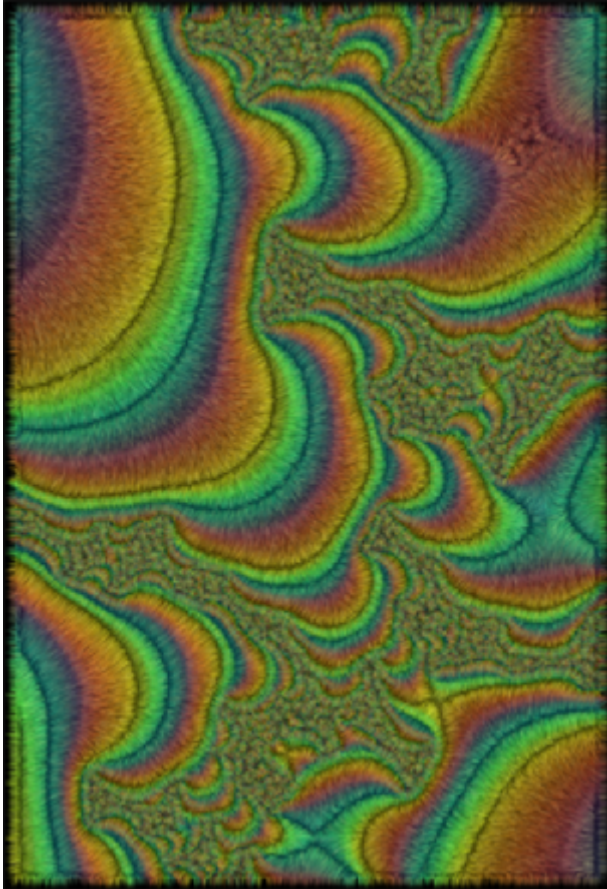
If you want to import a preset to a specific category, you must first choose the category from the middle-left tile of the **Presets library** panel, and then click **Import**.
- 3 Choose the folder where the file is stored in the **From** dialog box.
- 4 Click the file.
- 5 Click **Open**.

The preset displays as a thumbnail in the **Presets library** panel.

TO EXPORT A PRESET

- 1 Click the **Presets** button.
- 2 Choose a category from the middle-left tile of the **Presets library** panel.
- 3 Click a preset thumbnail.
- 4 Click **Export**.
- 5 In the **Save as** dialog box, type a filename in the **Save as** box.
- 6 In the **Where** box, choose the folder where you want to export the file.
- 7 Click **Save**.

KPT FIBEROPTIX



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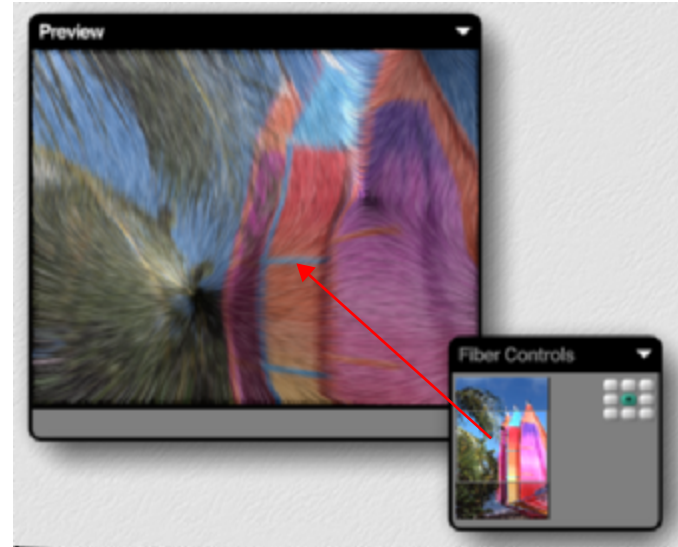
OVERVIEW

KPT FiberOptix grows fibers that look like real hair or fur. Each fiber is rendered separately and can have its own color and tint. The KPT FiberOptix panels let you control the growth, color and lighting of fibers.

Using a mask, you can make fibers grow in a specific shape. For example, you can make hair grow out of text.

PREVIEWING YOUR FIBERS

The preview in the Fiber Controls panel can be used to control the Main Preview. The preview in the panel displays a thumbnail of your entire image. The rectangle inside this preview represents the portion of the image displayed in the Main Preview window. You can drag this rectangle to change the portion of your image displayed in the Main Preview.



Use the Fiber Controls preview to control the Main Preview display.

CREATING FIBERS

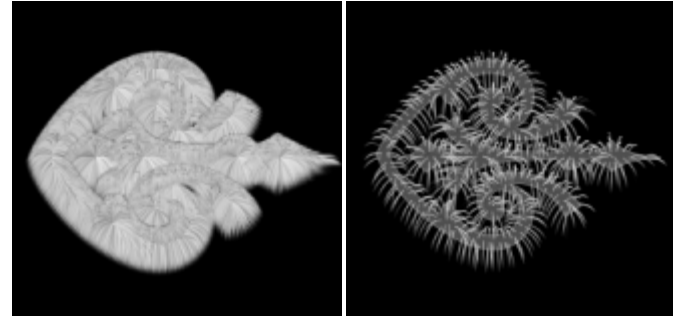
Fibers are automatically generated when you enter the filter. Every time you change a parameter, new fibers are rendered. The Fiber Controls panel lets you control how fibers grow. You can control their length, the direction in which they grow and the amount of fibers generated.



The Fiber Controls panel.

SETTING FIBER DENSITY

The Fiber Density slider controls the amount of fibers generated. At high density values, the entire image is filled with fibers creating a furry look. At lower settings, you'll be able to see individual fibers.

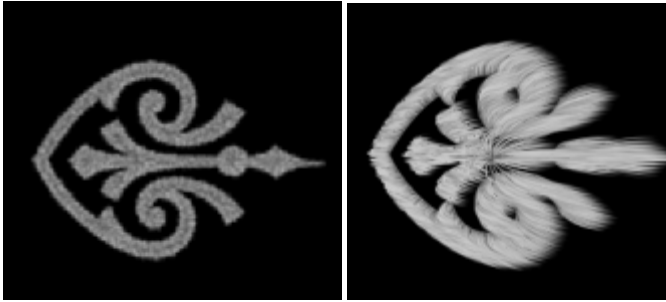


High and low Fiber Density settings.

SETTING FIBER LENGTH

Fiber Length controls the length of the fibers that grow from your image or mask. Higher length values take longer to render.

Longer fibers are also affected more by the Direction setting.



Low and high Fiber Length settings.

ADJUSTING FIBER TAPERING

The Tapering setting defines where along the length of the fiber it starts to become transparent. The value of the setting defines how much of the fiber is solid and when the transparency begins to take affect. For example, at 60%, sixty percent of the fiber is solid and forty is transparent.

The setting becomes more important when you're using a gradient to color your fibers. You'll be able to see more of the gradient colors, the higher the Tapering value, since there's fiber to color.

SETTING FIBER FLATNESS

Flatness controls the depth of the fibers. At higher settings, fibers grow out in all three dimensions. At lower values, fibers grow more two-dimensionally.

SETTING FIBER DIRECTION

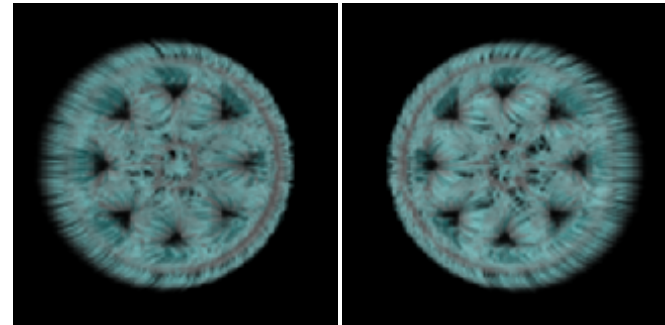
As the fibers grow, you can apply a direction effect to alter their growth patterns. The direction setting pushes fibers in a specific angle as if they were being blown by the wind.



Direction settings on the Fiber Control panel.

Setting Direction Angle

The Direction Angle sets the general direction for fiber growth. Direction angle is set in degrees. For example, at 45°, the fibers tend to grow up and to the right.



Examples of different Direction Angle settings.

Setting Direction Intensity

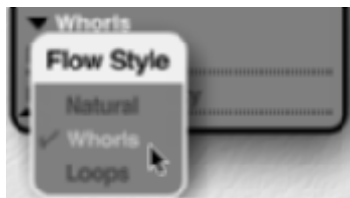
The Direction Intensity slider controls the intensity of the direction effect. It's like setting wind strength. The higher the Intensity setting, the stronger the wind and the more the fibers bend toward the wind direction.

ADJUSTING GROWTH PATTERNS

The Flow Styles let you control the direction of the fiber growth pattern. There are three styles you can use: Natural, Whorls, and Loop.

TO CHANGE GROWTH PATTERN MODES:

- ▷ In the Fiber Controls panel, click the arrow icon next to the Flow Style text label beneath the panel preview window and choose a style from the menu.



The Flow Style setting on the Fiber Control panel.

Natural

When the Natural option is enabled, fibers grow towards areas of light in the image.



Example of Natural mode.

Whorls

When the Whorls option is enabled, fibers bend as they grow, creating whirling patterns.



Example of Whorls mode.

Loop

The Loop option works like the Natural option, fibers grow towards areas of light, but the effect is more severe, creating pools of fibers.

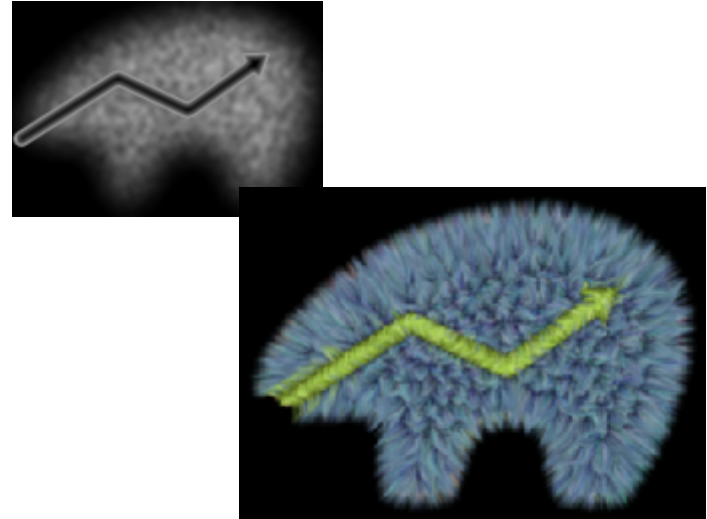


Example of Loop mode.

USING NOISE MAPS WITH KPT FIBEROPTIX

A noise map is a mathematically generated pattern of turbulence that disrupts the growth pattern of fibers. When you apply a noise map, you get wavy tendrils instead of hair-like fibers.

A noise map can either be a large random pattern, or a specific pattern. Since the noise affects how fibers grow, you can design a specific noise map image to create a unique effect.



In this example, a very specific noise map image was used to create the growth pattern shown. The dark areas in and around the arrow cause the arrow fibers to grow more toward the center.

Loading a Noise Map

A noise map can be any black and white image. However, noise works better when its a randomly generated pattern. The algorithmic noise presets provide excellent patterns for creating various types of fibers.



The Noise panel.

TO LOAD ALGORITHMIC NOISE:

- ▷ Click the title below the preview window and choose a noise from the menu.

TO LOAD A NOISE MAP:

- 1 In the Noise panel, click the thumbnail preview. The Open dialog appears.
- 2 Locate the image you want to use as a noise map and click Open. You can also use the panel's Option menu to load a map.

Scaling a Noise Map

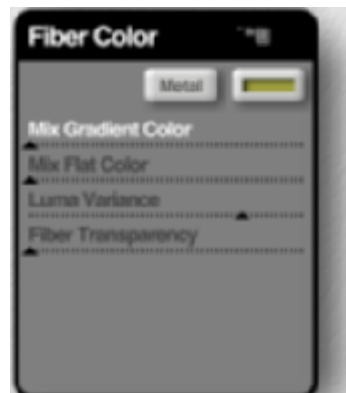
The scale of your noise map determines how often the noise pattern is repeated within a map. A map that's scaled down creates more turbulence since it repeats more often within the map. A larger noise map produces less turbulence.

Blending Noise Maps

The Blend Noise to Mask slider in the Mask panel controls how much of the noise is applied to the fibers. The higher the value, the more turbulence is added to the growth pattern.

SETTING FIBER SURFACE PROPERTIES

Normally, fibers take their color from the original background image. An individual fiber takes its color from the pixels directly beneath it in the original image. However, you can enhance or replace this color using the controls on the Fiber Color panel.

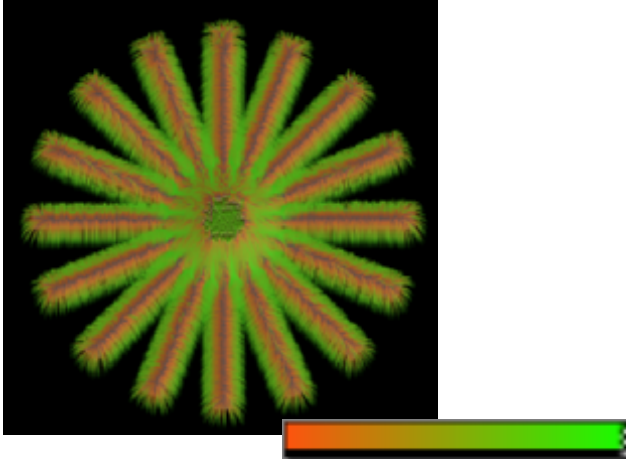


The Fiber Color panel.

USING A GRADIENT AS A TINT

When you apply a tint using a gradient, each fiber is colored using the colors in the Gradient panel.

Use the controls on the Gradient panel to choose colors and set up a gradient. .



An image with colored fibers and the gradient used to create it.

TO APPLY A GRADIENT TO YOUR FIBERS:

- In the Fiber Color panel, drag the Mix Gradient Color slider.

USING A TINT COLOR

When you apply a tint, the colors in the image shift towards a specific uniform color. For example, if you choose Blue as your tint color, the more tint you apply, the more blue is added to the background image.

TO CHOOSE A TINT COLOR:

- In the Fiber Color panel, click the tint color dot and choose a color from the Color Picker.



The tint color dot.

TO APPLY A TINT COLOR:

- The Mix Flat Color slider lets you gradually apply the tint color to the original image.

The higher the value, the more the image colors shift toward the tint color.

SETTING LUMA VARIANCE

The Luma Variance slider controls the color variance between fibers. At low values, the fibers are colored using the same color value. At higher values, color values vary more between fibers.

SETTING FIBER TRANSPARENCY

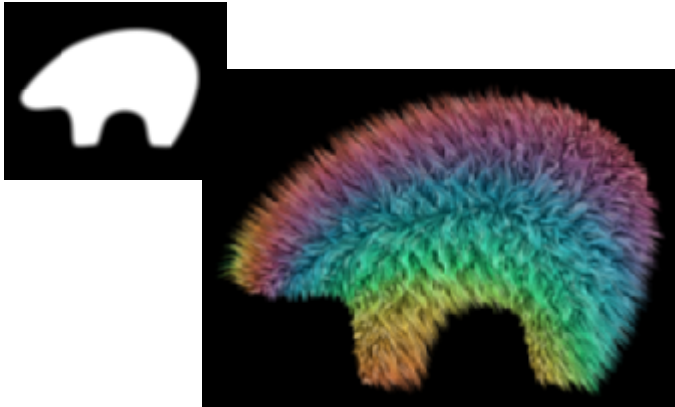
The Fiber Transparency slider controls the opacity of your fibers. At high settings, fibers appear almost invisible. At lower settings, fibers are opaque.

LIGHTING FIBERS

Fibers are three dimensional objects, meaning that you can light them from any angle. The 3D Lighting panel contains all the controls you'll need to set light color and angles.

USING MASKS WITH KPT FIBEROPTIX

When you apply a mask to your image, the fibers grow out of the mask. The origin of each fiber is directly affected by the shape of the mask. Fibers grow to match the contours of the mask.



A mask and the fibers grown out of the mask.

The mask you use can be the same shape as the background image, or it can be a completely different shape. A mask can be any black and white image on your system. You can also use one of the presets in the Presets Library.

TO USE A MASK WITH KPT FIBEROPTIX:

- 1 In the Mask panel, click the preview. The Open dialog appears.



The Mask panel.

- 2 Locate the image you want to use and click Open.

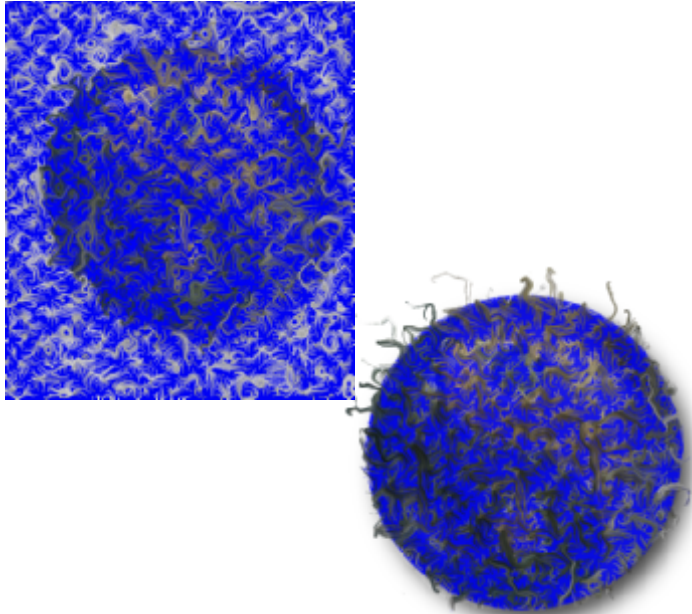
SETTING BEVEL WIDTH

The Mask Bevel Width setting adds height to the fibers. Higher bevel settings bend fibers, creating a dome-like effect.

SETTING BACKGROUND SURFACE PROPERTIES

Fibers grow out of an imaginary surface, like hair growing out of skin. The Mask Rendering options control this surface's appearance.

When you're working with a mask, the surface is the size of the mask. In this case, the rendering options control how the mask itself is colored. When you're working with just the image, the rendering options apply to the imaginary skin layer that covers the entire image.



The Mask Rendering: Material option applied to an image without a mask, and the same setting applied to an image using a mask.

It's easier to see how the Mask Rendering options affect your image when the fibers are sparse.

TO SET SURFACE PROPERTIES:

- ▷ Click the text label beneath the Mask panel's preview and choose an option from the menu. A checkmark appears next to the currently active option.

Shaded

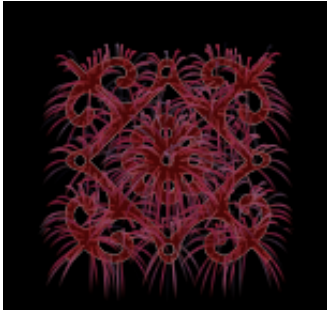
When the Shaded option is active, a shaded gradient is applied to the surface.



An example of the Shaded option and the original image.

Dark

When the Dark option is active, the surface acts like a Darken channel operation. The result is a surface colored using the darkest colors in the original image.



An example of the Dark option.

Ambient

The Ambient option does not apply any special properties to the surface. Fibers appear to grow out of the background image.



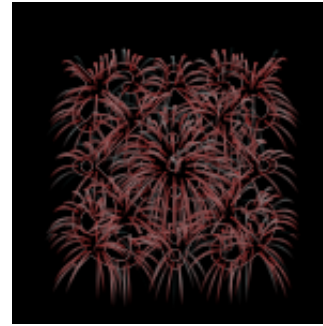
An example of the Ambient option.

White

When you use this option, the background is white.

Black

When you use this option, the background is black.



An example of the Black option.

Material

The Material option sets the background to the material color. You can choose a material color using the color dot.



An example of the Material option. A yellow material color was used.

Transparent

When this option is active, the image is transparent so in the final render all you'll see are the fibers.



An example of the Transparent option.

PREVIEWING FIBERS

KPT FiberOptix has three preview options that control how your fiber preview is rendered.

Fast Edge Render

This mode renders the least amount of fiber detail. However, it is very fast. Use it when you're experimenting with settings.

Average Edge Render

This mode produces a good quality render of your image and is faster than Accurate Edge.

Accurate Edge Render

This is the slowest render, but the most precise. Use it when you want to see what your final effect will look like.

TO CHOOSE A RENDER PREVIEW MODE:

- ▷ Click the arrow icon at the top of the Main Preview window and choose a mode from the options menu.

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