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Welcome

The Corel KPT Collection filters

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

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, twirl, 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 777 320	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

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Services representatives by mail or fax.

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

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Getting started

What is 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.

In this section, you'll learn about

- installing Corel KPT Collection
- accessing and quitting Corel KPT Collection filters
- the workspace
- using panels and sliders
- previewing filter effects
- customizing the workspace
- storing workspace and panel settings
- working with presets

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.

Accessing 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

Note   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).

Note   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.

- 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.

Note

Empty memory dots display gray, full 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

1 Click the **Presets** button.

2 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.

Note You can preview a preset by single-clicking a preset thumbnail. A larger version of the preset thumbnail displays in the upper-left tile of the **Presets library** panel.

TO **SAVE AN EFFECT AS A PRESET**

1   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**.

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KPT Turbulence

Welcome to KPT Turbulence

KPT Turbulence is a real-time, 2D wave distortion engine. It displays an image in a special preview window, as it creates a "wave pool" simulation around it. Simply click on your image and KPT Turbulence produces ripples from that location. Click and drag through your image to create a wake.

As waves distort the underlying image, propagating over time and creating realistic fluid motion, you can watch, pause, or step-through the action to locate the look you're after. Finally, apply a freeze-action snapshot of the image distortion, or save snippets of the motion as a movie or sequence of images.
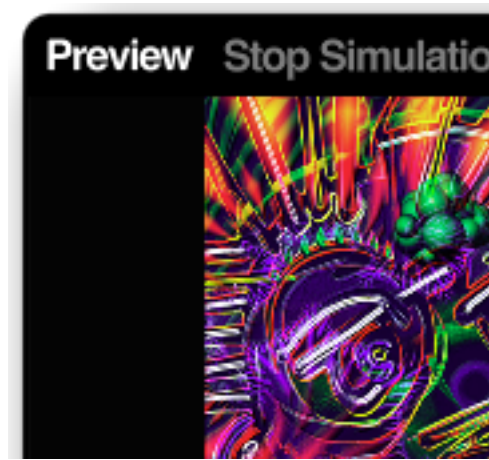
The Preview window.

Setting Sliders

Each KPT Turbulence panel includes standard KPT sliders. Sliders are the mechanism for adjusting a panel's settings. When you move a slider, the panel expands to give you additional controls.

Using the Presets Library

KPT Turbulence includes a library of preset settings. You can also add settings of you own creation to the library for future use.

CREATING AND Applying TURBULENCE EFFECTS

KPT Turbulence creates a "wave pool" simulation around your image. To start the turbulence, you need only "touch" the pool. Once turbulence is set in motion, you can watch, pause, or step-through the ripples and waves, as you search for the look you're after. As in real-life, turbulence moves forward, not backward. You cannot retrace, rewind, or step back through the turbulence effect.

Start the KPT Turbulence "wave pool" in motion with a touch or drag of the cursor. Stop, continue, pause, or step-through motion, to find the look you want.

Note   Preview window size can affect performance. If turbulence seems jerky or slow, reduce the size of the Preview window.

To create ripples

- Click on your image in the Preview window. KPT Turbulence produces ripples from that location.

To create waves

- Click and drag through your image to create a wake.

To stop motion

- Click the Stop button to stop motion in the wave pool.

Click the Stop button to stop motion in the wave pool.

To apply the current view to the underlying image

- Click the check icon on the KPT Turbulence workspace to apply the filter effect and return to the host application.

To continue motion

- Click the Continue button to resume motion in the wave pool.

Click the Continue button to resume motion in the wave pool.

- Click the Pause button to resume motion in the wave pool.

To step-through motion

- Click the Step Forward button repeatedly, to step-through motion in the wave pool.

Click the Step Forward button to step-through motion in the wave pool.

Controlling the Turbulence

As waves distort the underlying image, they propagate over time and create fluid motion. To control the nature of that motion, you can:

- **Adjust Brush Size**—what size brush or tool to use when touching or dragging through the pool. You can select a tool as small as a needle or as large as a stick. Brush size affects the resulting ripple and wave size.
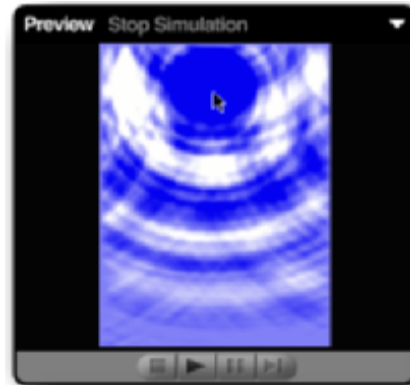
A large brush size causes large ripples in the pool.

- **Adjust Brush Flow**—how much energy is added into the wave pool by the brush. Brush flow affects how quickly ripples and waves dissipate.
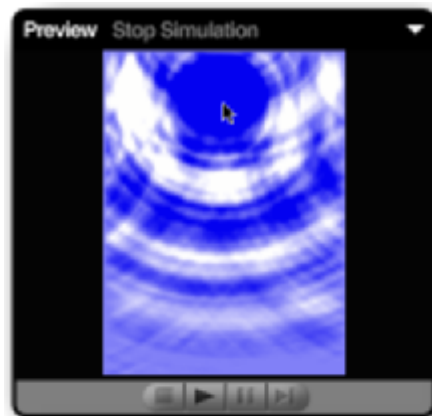
Increase Brush Flow to increase the force at which the pool liquid is touched. Brush Flow affects how long it takes for ripples and waves to dissipate.

- **Set Damping**—how long it takes until the image is once again still. Like adjusting the consistency of the pool liquid, you can set it high to create thin liquid (like water) or low to create thick liquid (like gel). Ripples and waves in thin liquid bounce and take a long time to settle. In thick liquid, waves and ripples are quick and take a short time to settle.
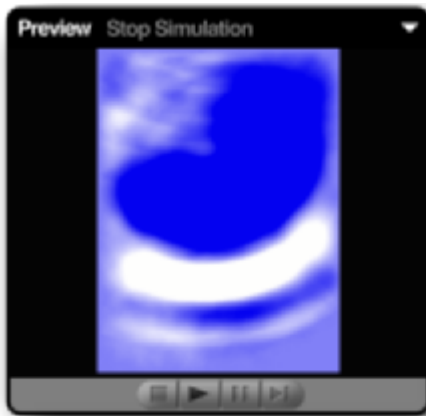
Adjust Damping to alter the viscosity of pool liquid, which affects how long it takes the liquid to become still again.

- **Set Distortion**—how much the image is distorted by motion in the pool. Best used with an underlying image, imagine that your image is at the bottom of a pool and you're looking at your image through the liquid. Distortion controls the amount of refraction and displacement.
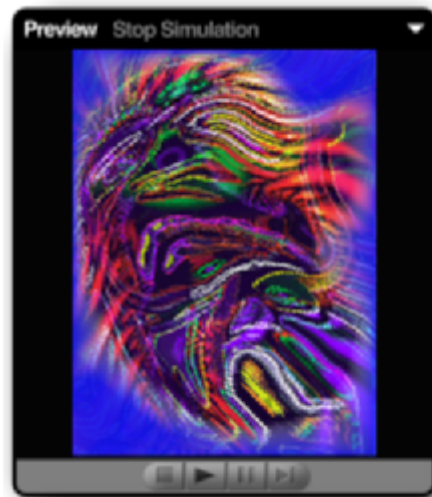
A high Distortion setting causes maximum distortion of the image, like you're looking at it through a deep, rather than a shallow, pool.

To set brush size

- Adjust the position of the Brush Size slider in the Parameters panel or click the number below and type a value.

To set brush flow

- Adjust the position of the Brush Flow slider in the Parameters panel or click the number below and type a value.

To set damping

- Adjust the position of the Damping slider in the Parameters panel or click the number below and type a value.

- Adjust the position of the Distortion slider in the Parameters panel or click the number below and type a value.

Adding a Gradient

Gradients can be used to color the pool, waves, and ripples that are generated by KPT Turbulence. You can control how ripple and wave depths are indexed into the gradient, as well as gradient transparency. This lets you create very interesting effects.

Using the Gradient Panel

With the Gradient panel, you can create blends of up to 512 colors, including 256 levels of opacity. The current gradient is displayed in the bar at the center of the panel. As you choose different colors, the bar updates to show the new gradient.

You can also load gradient presets to use in the panel, or you can save the contents of the panel as a new preset.

To use a gradient

- Click the Blend with Gradient option in the Parameters panel.

  The Gradient panel is displayed.
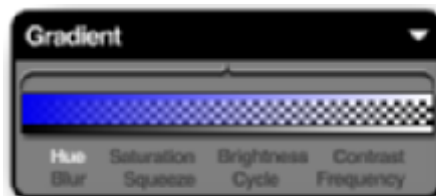
The Gradient panel

To increase the size of the panel

- Click the triangle icon at the top of the panel and choose Large Gradient Bar from the menu.

To expand the panel

- Click and drag inside the Gradient panel to expand it.
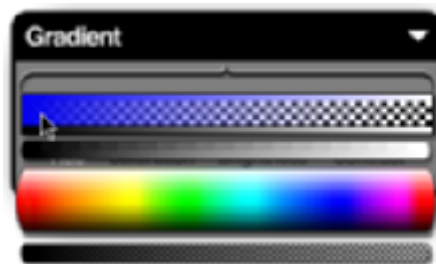
Click and drag inside the Gradient panel to expand it.

When the Gradient panel is expanded, you can select grayscale, colors, and transparency settings. You can also edit the gradient itself.

Setting the Gradient Level

Imagine that you're looking at the KPT Turbulence wave pool from the side. Some ripples or waves go deep, others go shallow, acting something like a "height map".

KPT Turbulence indexes a gradient by using this "height map", choosing colors based upon the height of each wave it simulates. Depending upon a wave's height, the gradient is indexed between the high (right) and low (left) ends of the gradient you've selected.

You can control how KPT Turbulence indexes the gradient on an average, by changing the Gradient Level slider.

To set the gradient level

*   Adjust the position of the Gradient Level slider in the Parameters panel or click the number below and type a value.

    Gradient level determines how far from center waves travel. When Gradient Level is set high, the full range of the gradient is used. When Gradient Level is set low, only the center part of the gradient is used. More is used as waves become more violent.

    In every case, when waves are gone or when they are small, the center of the gradient is used.

Setting Gradient Transparency

You can determine how much or how little of your image shows through the gradient. A gradient is an image, separate from the underlying image. A gradient can be solid or it can contain transparency information. KPT Turbulence uses gradient transparency information to know how much of the underlying image to display.
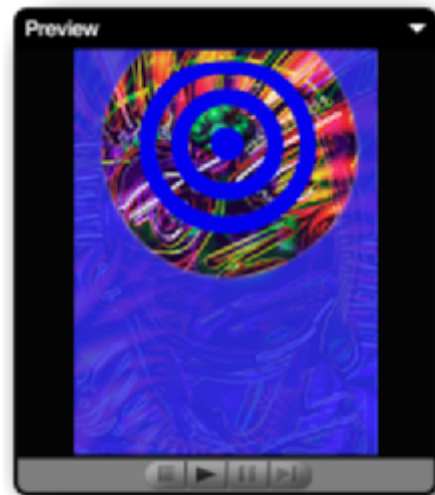
The underlying image shows through this gradient, because the gradient is set to a high level of transparency.

Once you've set transparency for a gradient, you can preserve that setting, even while selecting alternate colors. Refer to "To maintain transparency settings" on page 18 for more about how to preserve transparency settings.

- Click inside the bottom (checkerboard) bar of the Gradient panel to set a level of transparency for the gradient.
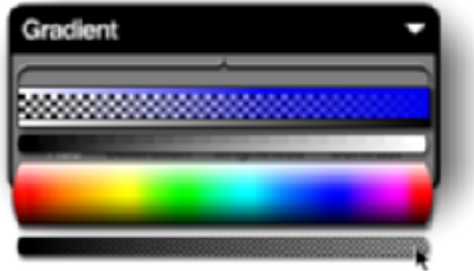
Click in the bottom checkerboard bar of the Gradient panel to set a level of transparency for the gradient.

Click towards the high (right) end of the gradient transparency bar for high transparency. Your underlying image shows through the gradient.

Click towards the low (left) end of the gradient transparency bar for low transparency. Little or none of your image shows through the gradient.

Feathering a Gradient

When the edges of a gradient are too sharp for your purposes, you can gently soften them.

To soften gradient edges

- Click the triangle icon at the top of the panel and choose Feathering from the menu.

KPT Turbulence calculates the gradient with a 10% ease on either side, creating a slightly fuzzy or softened effect.

Choosing Colors for a Gradient

The bar that appears at the top of the panel, called the Gradient bar, is where you choose colors and edit your gradient.

When selecting a new color for your gradient, remember that you're not just selecting a color for the gradient, but also its position within the blend.

If you add a color on the low (left) side of the Gradient bar, you're setting the color for the beginning of your gradient. If you press on the high (right) side of the bar, you are setting the color for the end of your gradient.

To select a color

- Click a point on the Gradient bar and drag the cursor over the color you want.

In addition to the colors in the Color Picker, you can also drag the cursor over any color visible on your monitor to select that as your color.

To maintain transparency settings

1   Click the triangle icon at the top of the panel and choose Preserve Alpha from the menu.

2   Click a point on the Gradient bar and drag the cursor over the color you want.

Editing a Gradient

The Gradient bracket, located above the Gradient bar, can be used to isolate an area of your gradient for editing. Any changes you make to a gradient only affect the area within the bracket. You can use this feature to create more complex gradients. For example, you can create several smaller gradients within a gradient.
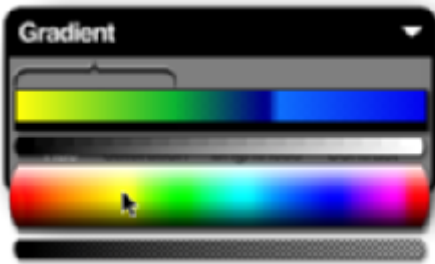
The Gradient Bracket.

By default, the bracket encompasses the entire gradient, you can resize it and move it to work with a smaller portion of your gradient.

To resize the bracket

- Click and drag either end of the bracket.

  If you drag one end of the bracket past the other end, it pivots, leaving one end exactly where it began.

To reset the bracket

- Double-click on the center of the bracket.

To reposition the bracket

- Click the center of the bracket and drag to the left or right.

To cut and paste parts of a gradient

1 Make sure the part of the gradient you want to copy is within the Gradient bracket.
2 Click the triangle icon at the top of the panel and choose Copy from the menu.
3 Reposition the bracket and choose Paste from the menu.

To flip a gradient

- Choose Flip from the Gradient panel options menu. KPT flips everything within the Gradient bracket.

Applying Gradient Modifiers

There are eight "tweaking" controls you can use to modify the colors and other parameters of your gradient or a portion of your gradient.

- **Hue**—Rotates the hues for your gradient. Each hue occupies a unique spot on a virtual color wheel. As you rotate hues, all of the colors within your gradient rotate, allowing you to cycle through all of the possible colors in the spectrum, but maintaining each color's relative distance from every other color.

- **Saturation**—Modifies the saturation (or intensity) of the colors within your gradient.

- **Brightness**—Determines the brightness of colors (i.e. how much white is mixed

with each color). Press on this control and drag to the right to increase brightness—drag left to decrease brightness.

- **Contrast**—Works by comparing the color values of individual pixels with the color values of neighboring pixels. Increasing the contrast exaggerates the differences between colors. Decreasing the contrast homogenizes your colors. You can actually reduce contrast to the point where your entire gradient is a uniform gray.

- **Blur**—Increase or decreases the blurriness of your gradient. Increasing the blurriness of a gradient effectively smudges the edges of colors.

- **Squeeze**—Squeezes your gradient to one side or the other. The "squeeze" always starts at the center of the Gradient bracket and moves to either end. If you want to squeeze your gradient starting from somewhere other than the center, do it manually. Hold down Option/Alt and drag within the Gradient bar itself.

- **Cycle**—Reposition the entire gradient, so that colors appear in different locations.
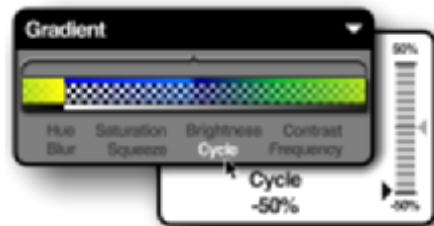
Colors repositioned using the Cycle control.

- **Frequency**—Sets how many iterations of the gradient appear within the gradient itself.

To use a modifier

- Drag over the text label for the control you want to use.

  Drag to the right to increase a modifier's effect, or to the left to decrease it.

  As you drag, the expanded slider appears to help you set modifier values precisely.

Making Movies

Making movies of your KPT Turbulence distortions is easy. This section contains all of the information you'll need to create interesting movies.

A movie is created by capturing a specified time duration of motion. KPT Turbulence shows you a preview of the movie at the time it is saved.

Note | Pause motion in the Preview window with the motion control buttons. When you save a movie, motion begins at the point where you pausing it and ends after the specified period of time.

You can save movies on the Macintosh as QuickTime and Sequenced PICT format files. On Windows, you can save movies as AVI, Sequenced BMP, or QuickTime versions 3 or 4 format files. Once you've saved a movie, it can be used in other multimedia applications.

To set a time duration for a movie

• Click the time display under Output Duration in the Parameters panel and enter a new duration length.
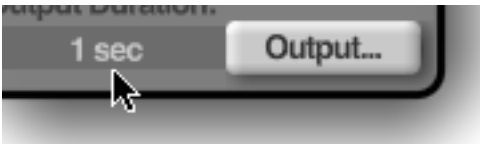
Set movie length first.

To save a movie

1 Click the Output button. The Make Movie dialog appears.
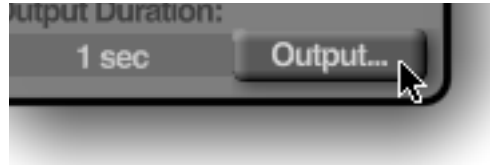
Click Output to make the movie.

2 If your image includes a transparency, click the Transparency Options menu triangle in the top right corner of the Make Movie dialog, Then choose one of the following options:

• Current Preview Compositing saves the transparency with the "Preview Against" value selected under Preview Options.

• Bluescreen Compositing displays the transparency as a blue background, and can be composited in another program.

3 Choose an Output Format from the popup menu.

PICT Sequence saves a series of independent images. QuickTime Movie saves a QuickTime Movie.

4 Click the Settings popup to display compression options for your movie.

Set the desired Compression options. The options available depend on the Compressor you select. Refer to your Macintosh or Windows system documentation for more on these compressors.

5 Click the arrow icon next to the File Location text label.

The Save As dialog appears.

6 Choose a location and filename for your movie or PICT files and click Save.

Note

When saving PICT files, consider saving to a separate directory, since this option creates many independent image files.

7 Use the Size slider to set the dimensions of your movie. Drag right for a larger screen resolution, or left for a smaller screen resolution.

8 Click the checkmark icon to create the movie or PICT files.

Using Keyboard Commands

Keyboard commands are especially useful for operations that you perform frequently. This section lists KPT Turbulence-specific commands.

What you press:	The results you get:
Spacebar	Toggle between pausing motion and continuing motion
Command/Ctrl+ M	Output a movie file

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