

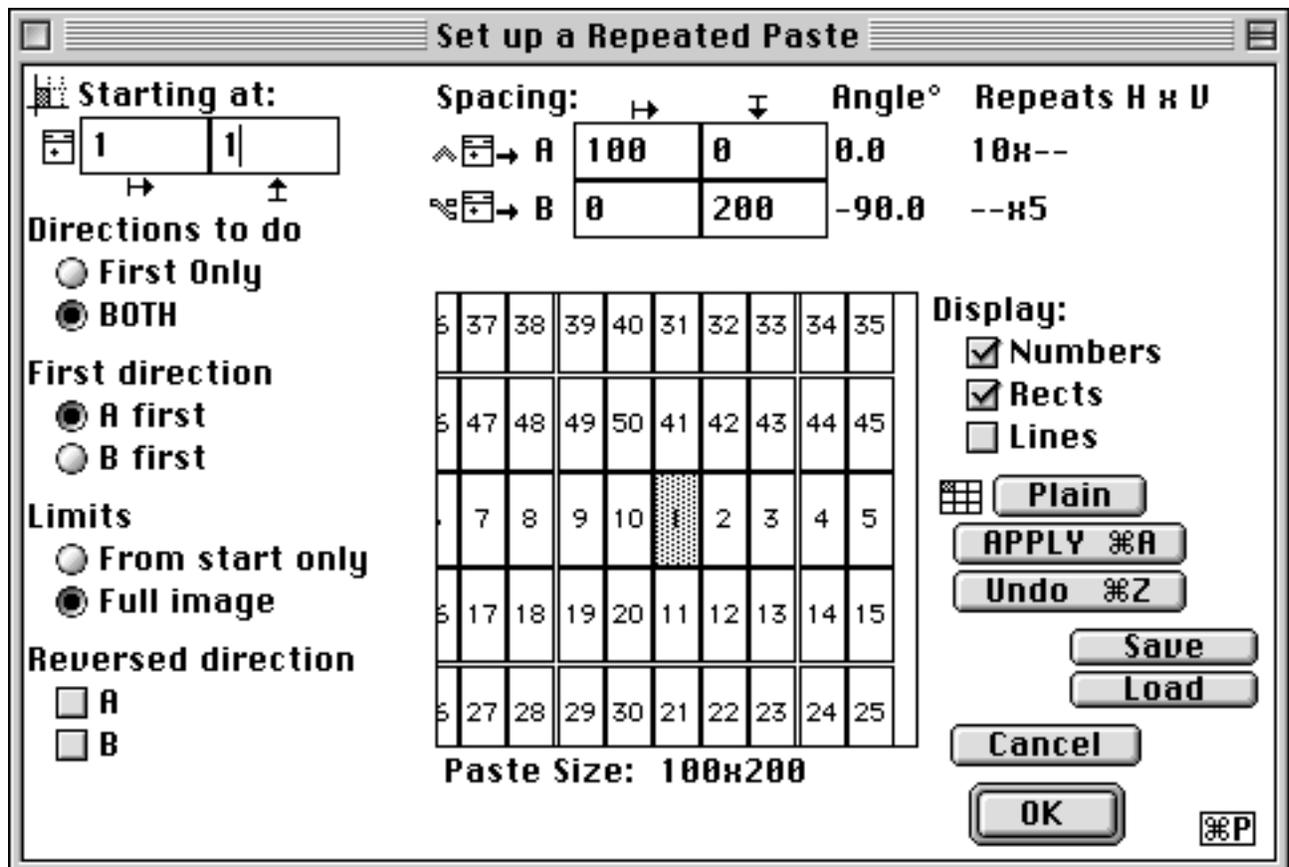
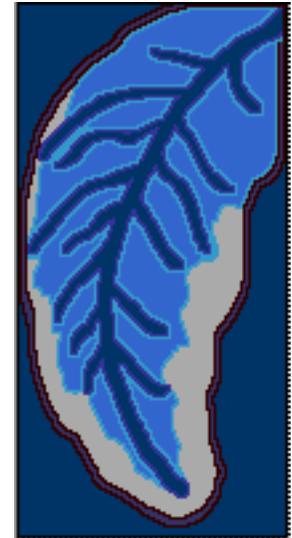
Repeated Paste

Repeated paste allows you to create a repeated pattern in a non-standard repeated format. Repeated paste can be used to fill an entire image window or part of a window with repeats of the motif. This has many applications. One way the repeated paste function is used is for creating the small overall patterns sometimes referred to as “ditzies” or “bread and butter” patterns. These patterns are often used as coordinates for a large floral or geometric patterns along with coordinating stripes or plaids. Repeated paste can also be used to create a background pattern on which you might build using larger motifs that are not repeated.

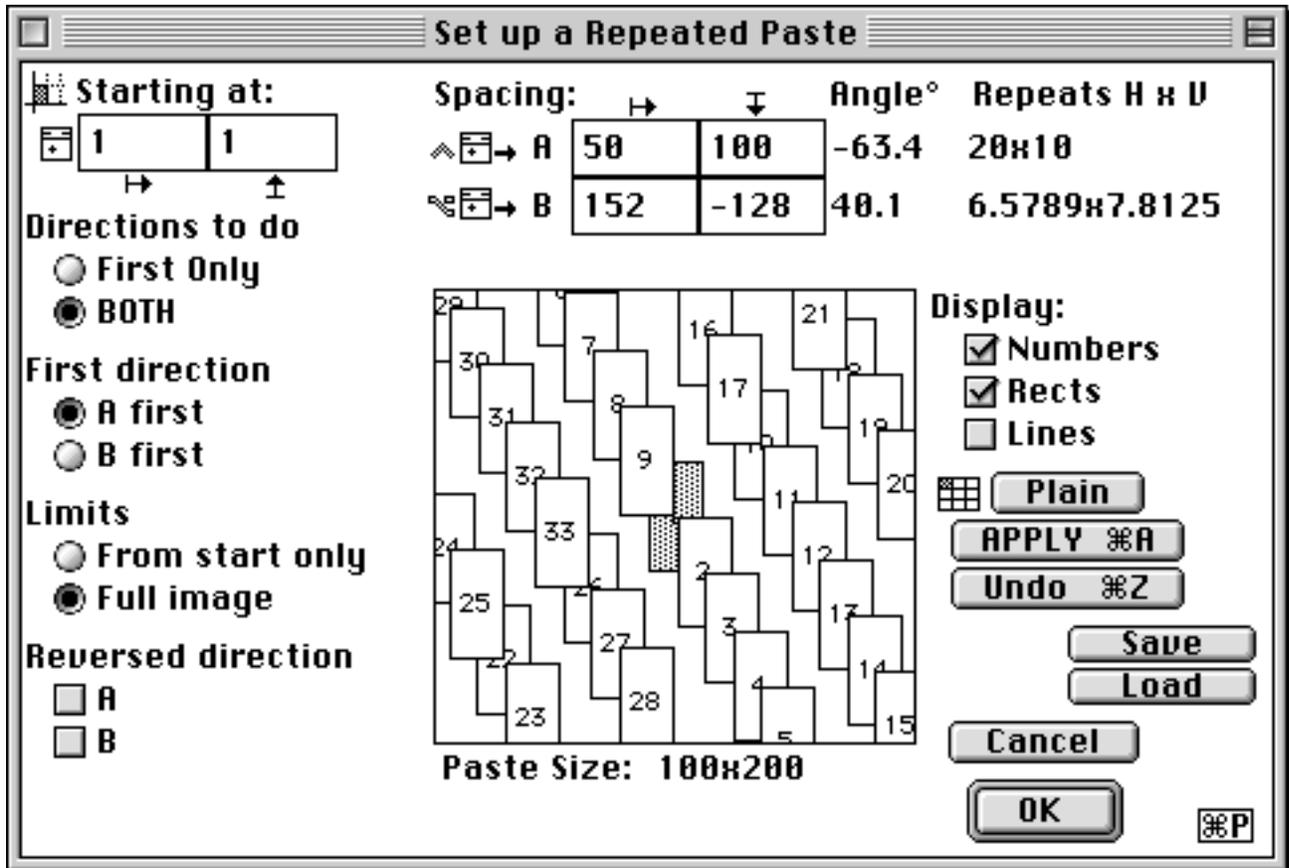
To use repeated paste you must first select the motif or area you wish to use as the repeat unit. Using any selection tool, make the selection and copy the selection (command C or choose copy selection in the edit pull down). This puts the selection onto the clipboard and it is now available for pasting.

You can repeat the unit within the current window or create a new window for the repeated paste. (Please see the write up on repeats calculator for determining the size you want for the unit.)

Select Repeated Paste in the Edit pull down menu. The repeated paste dialogue appears. Here is where you can control all the variables possible in the repeated paste function



The first variable is the position of the first paste. This is defined in the top left of the dialogue where it reads Starting at:. The default is defined by where you copied the selection from. You can change this setting by entering the position numerically or by clicking in your image to define the start position. The start position is the lower left corner of the unit. When using a straight grid repeat the start point will be of little consequence. When using an overlapping repeat the start point can make a dramatic difference. This will become clear as you work with repeated paste.

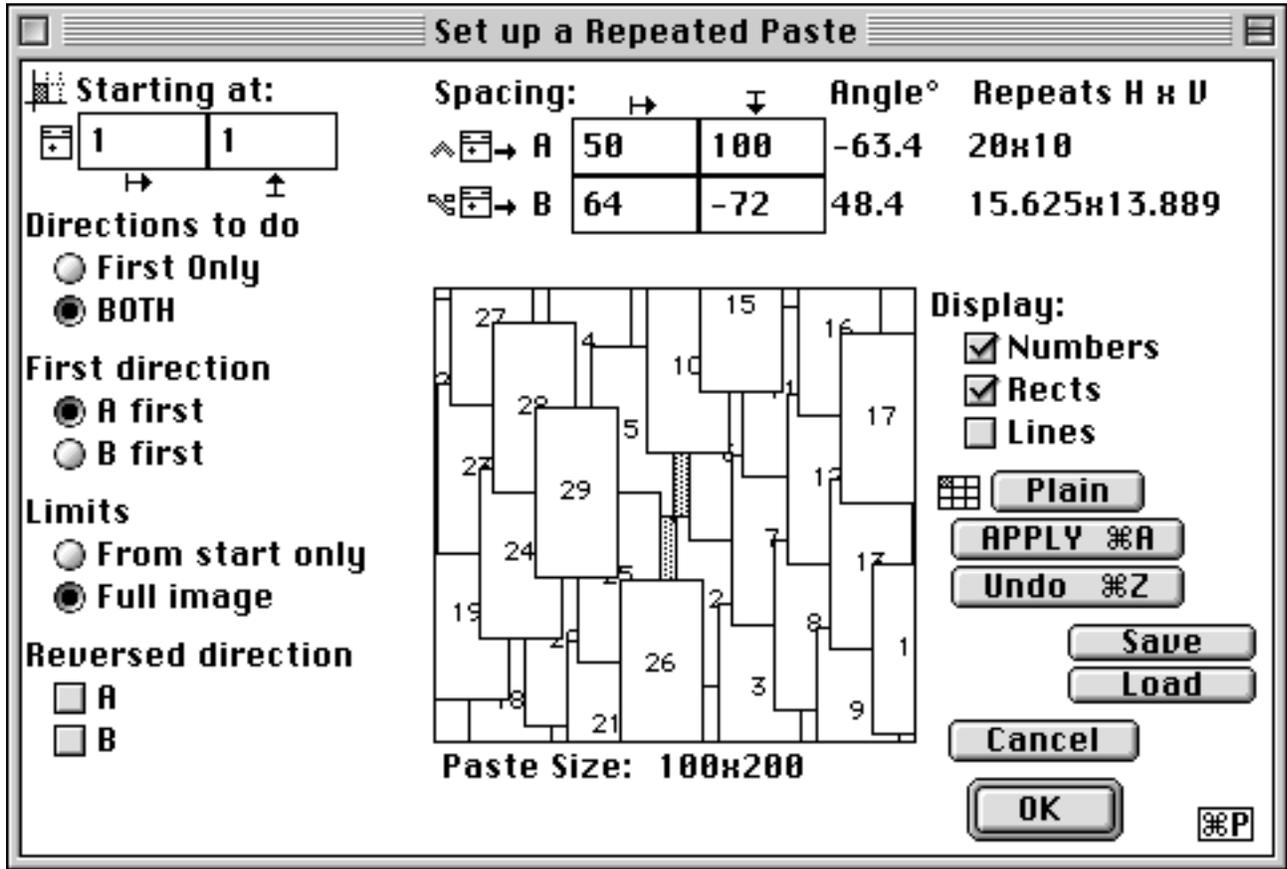


The second variable is the spacing, located to the right of the Starting at boxes. The first box to the right of direction A is the width of spacing before the unit is pasted again. The default is the width of the original selection.

To create an overlap, make this number smaller by the number of pixels you want to overlap as it pastes. If you want a border or space around the motif add to the width number the number of pixels you want between each paste. (In a straight grid direction A will be horizontal. Once you begin working with angles, there will no longer be a horizontal or vertical axis. This is the reason for direction A and B rather than horizontal and vertical orientations.)



The second text box, to the far right of A is the angle setting. When the angle is 0, the repeat will occur on a true horizontal axis. If a positive or negative number is entered, the axis will adjust accordingly.



Below the boxes for direction A are the boxes for direction B. The box to the far right of the letter B is the height of the spacing before the unit is pasted again. . The default is the height of the original selection. To create an overlap, make this number smaller by the number of pixels you want to overlap as it pastes. If you want a border or space around the motif add to the height the number of pixels you want between each paste (In a straight grid direction B will be vertical. The first text box, just to the right of B is the angle setting. When the angle is 0, the repeat will occur on a true vertical axis. If a positive or negative number is entered, the axis will adjust accordingly.



The spacing and angle can also be entered by clicking, dragging and releasing in the image window while holding down the control key for direction A, the option key held down for direction B. The length of the drag enters the spacing. The angle of the drag enters the angle into the text box above.

Additional settings are located on the left side of the dialogue. These settings control the directions of A or B or both, which direction is used first, if the paste is to be applied to the whole image window or not and the option to reverse the direction of A and/or B.

The fastest way to get a sense of each of these settings' impact on the repeated paste is to click on each radio button to change the default and view the change in the view window of the dialogue. The view window is a graphic representation of the numbers entered above and the settings defined at the left.

Directions to do:

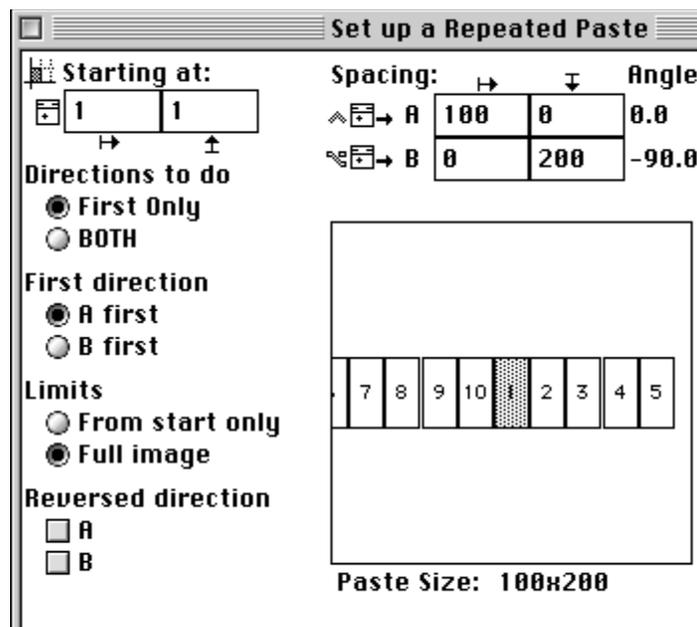
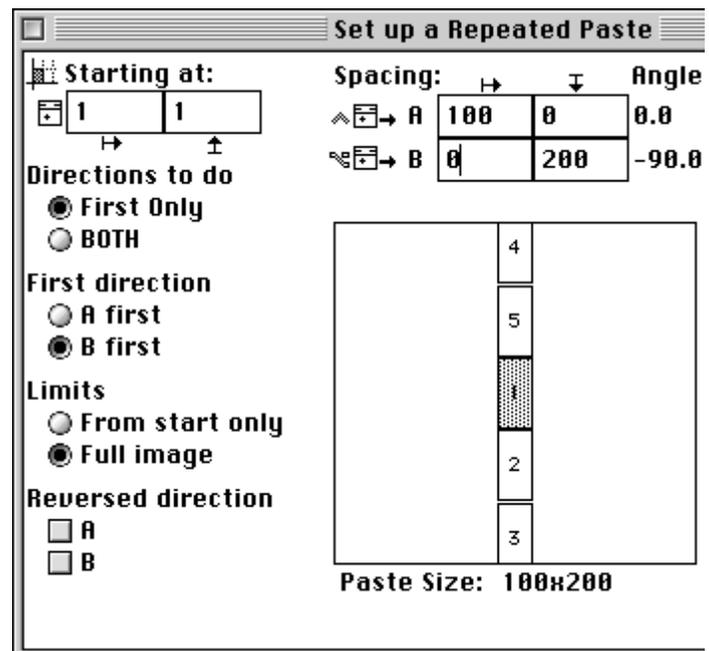
The default is on BOTH. This will apply the paste in both direction A and B. To change this click on First only.

First direction :

To define who is first, move down to First direction and click on B first to change from the default of A being first.

Limits:

To change the default from Full image, click on From start only. (The choice made in the text above for First direction will determine the limit in From start only.)



Reversed direction:

To change the A direction default of pasting from left to right to paste from right to left click next to A. This will reverse the direction of A. (You will see that change represented in the view window.) To change the b direction default of pasting from top to bottom to paste from bottom to top click next to B. This will reverse the direction of B.

As you make changes in the various settings, you will see the change graphically occur in the display window of the dialogue box. This shows the sequence or order of each paste.

The default is to show the numbers (the order in which it will paste) within rectangles (this is the edge of the unit or the seam between the pastes). If you wish to view the axis of the repeats, click on lines. You may want to turn off the rectangles by clicking on the box next to the word Rects. You can display any combination of these three. (However, having all three on is a bit overwhelming.) the display settings are located to the right of the view box beneath the word Display.



When you want to see the repeated paste in your image window, click on Apply (command A), located to the right of the view window. To keep the repeated paste and exit the dialogue click on OK on the bottom right. To exit the dialogue and not keep the repeated paste click on Undo (or command Z), located just below the Apply button.



If you want to revert to the straight grid settings (the default you had when this dialogue was first entered) click on the Plain button located just above the Apply button.

To save the current settings to apply on another motif at a later time, click on the Save button, located between the Undo and Cancel buttons. You will be asked to name this configuration and determine where it will be saved on your computer.



When you save your repeated paste settings, it is a good idea to leave the .RpPs at the end of the name. This makes it easy to identify this as a repeated Paste file at a glance. You will also have the opportunity to describe the settings for future reference.

Since it is possible to create many different settings over time, and very useful to be able to reuse them, it is a good idea to describe the file, including important information. This may include the size of your motif, the type of cloth it was used to create, etc. If you will be using this function frequently you may want to create a folder for the storage of repeated paste settings.

