

Keyframing

Keyframing is an animation technique commonly used to produce a smooth transition between a defined start and end point. In Animation Pro, it is possible to create either a smooth camera, figure or item transition between two frames. Furthermore, you can define which properties of the camera, figure or item are 'keyed' and exactly how the transition should ease-in or ease-out.

TOPICS

Camera Keyframing

'Key Camera' PopoverControlling the 'Key Camera' TransitionStarting the 'Key Camera' Operation

Figure Keyframing

'Key Figure/Clone' Popover

Controlling the 'Key Figure' Transition

Starting the 'Key Figure' Operation

Important 'Key Figure' Considerations

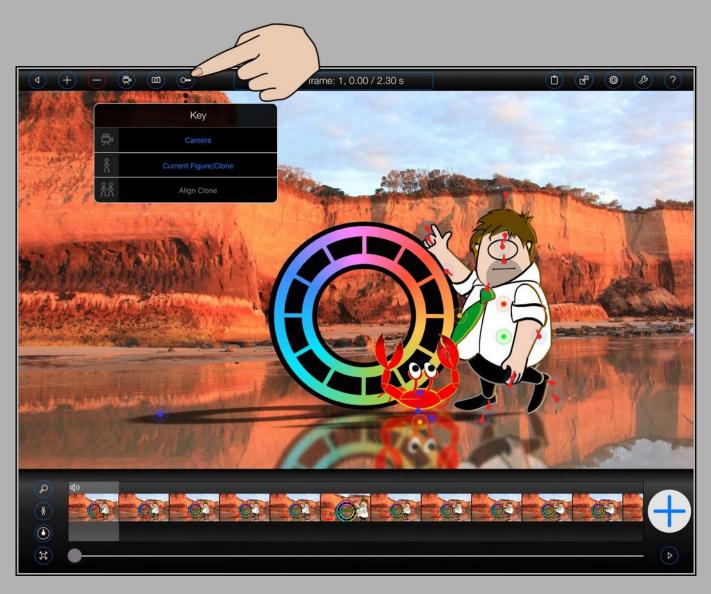
Item Keyframing

'Key Figure/Clone Item' popover

Controlling the 'Key Item' Transition

Starting the 'Key Item' Operation

Important 'Key Item' Considerations



Camera Keyframing

Begin by setting up the camera on the start frame:



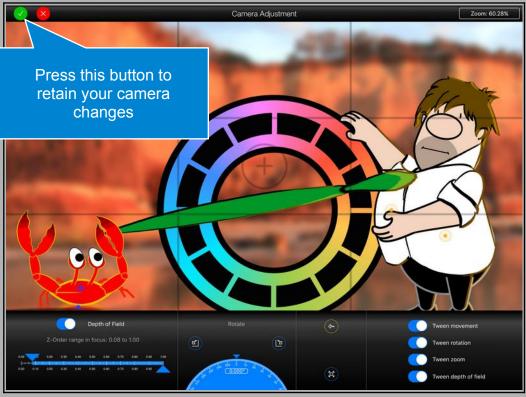


- 1. Press the (P) button to display the 'Camera Adjustment' options.
- 2. Set up the camera as you'd like it and press 🗸



Next, set up the camera on the end frame:





button to display the 'Camera Adjustment' 1. Press the 😩 options.

2. Set up the camera as you'd like it and press 🗸



Select the start frame and then press the

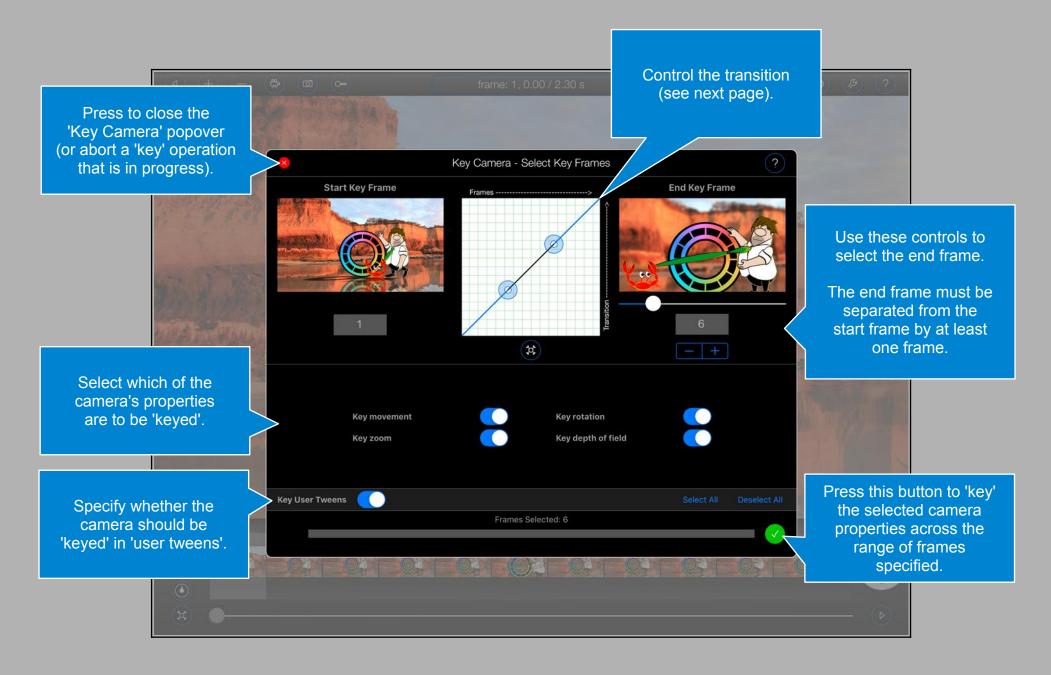


button to open the 'Key' menu:



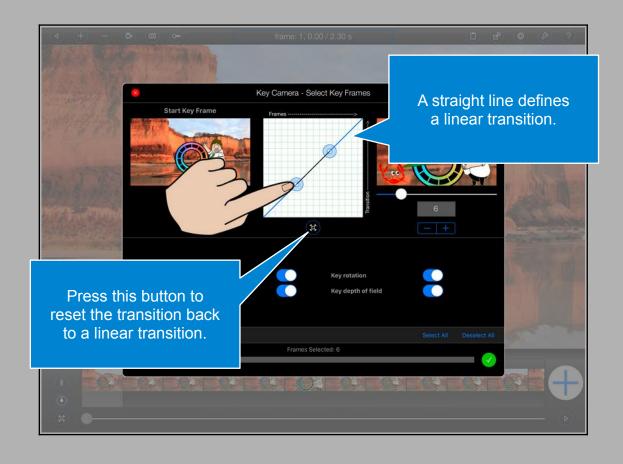
Select 'Camera' from the 'Key' menu.

Animation Pro will display the 'Key Camera' popover:

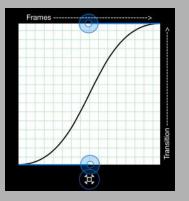


Controlling the Transition

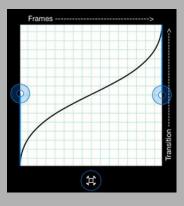
By default, Animation Pro will create a smooth linear transition, between the start frame and the end frame, of the selected camera properties. This linear transition is represented by the straight line in the 'transition graph', as shown below:



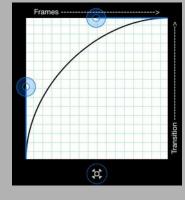
You can drag the handles to create other transitions, see right:



This transition will ease in and ease out slowly



This transition will ease in and ease out fast



This transition will ease in very fast and ease out slowly

Starting the 'Key Camera' Operation

Once you've set up the parameters on the 'Key Camera' popover, press the button to process the frames:



Animation Pro will 'key' the selected camera properties between the start frame and the end frame to produce a smooth transition:

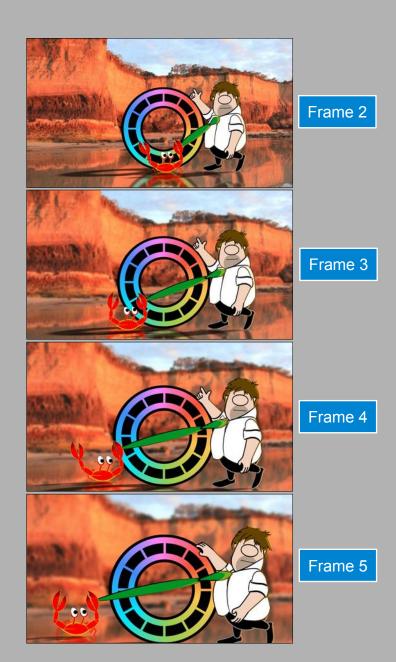
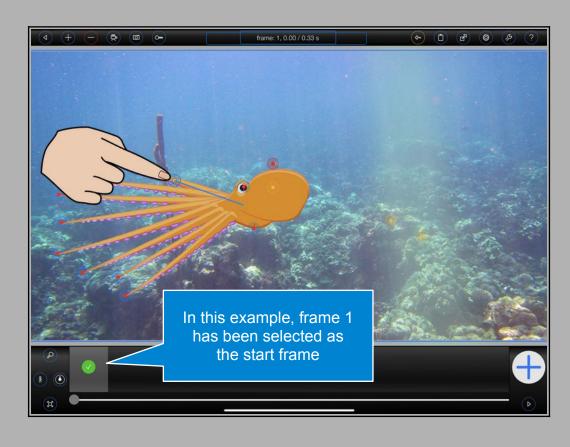
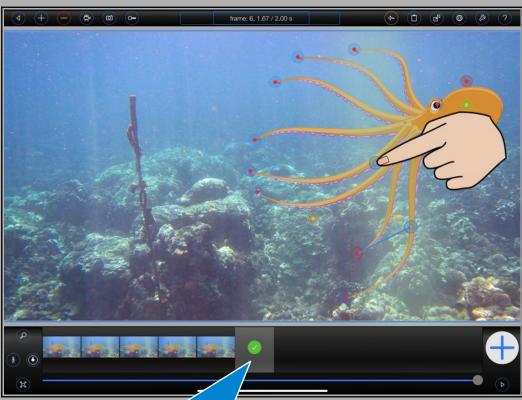


Figure Keyframing

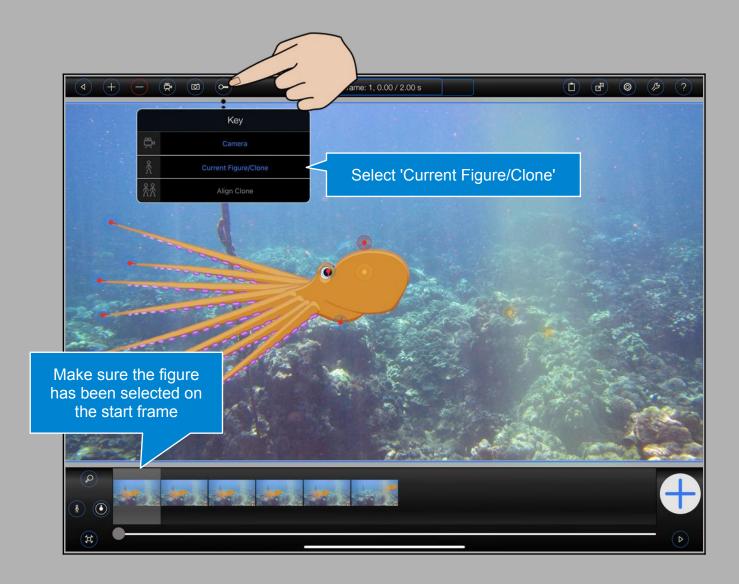
Set up your figure on a start frame and (optionally) an end frame:





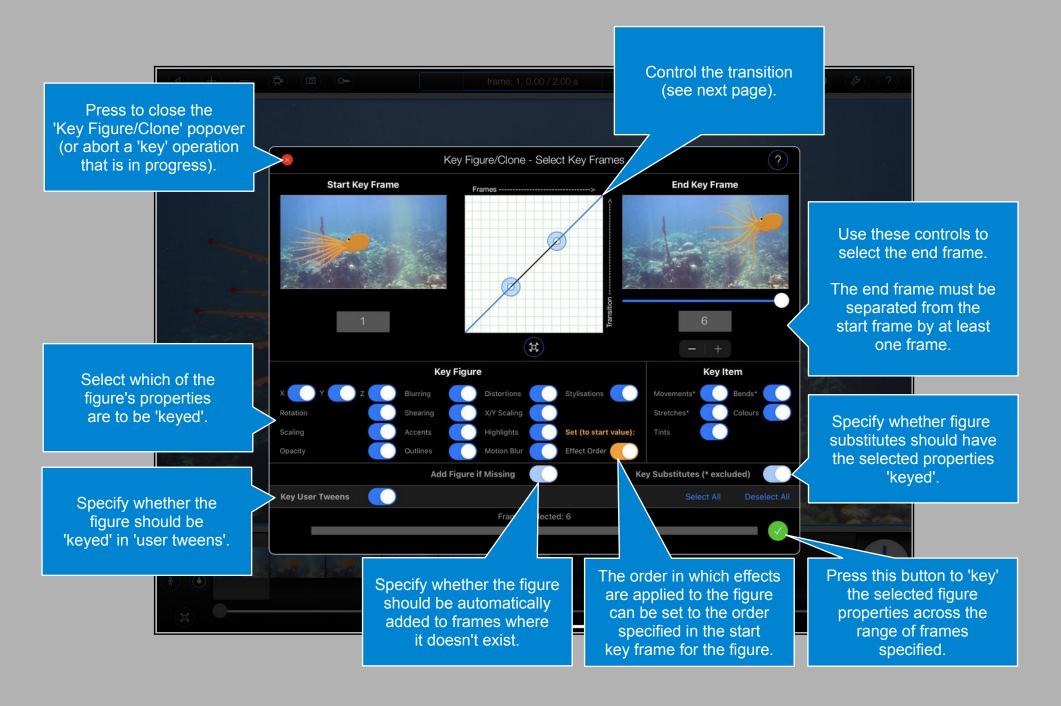
In this example, frame 6 has been selected as the end frame

Select the figure on the start frame and then press the button to open the 'Key' menu:



Select 'Current Figure/Clone' from the 'Key' menu.

Animation Pro will display the 'Key Figure/Clone' popover:

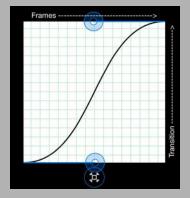


Controlling the Transition

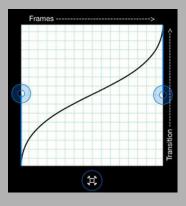
By default, Animation Pro will create a smooth linear transition, between the start frame and the end frame, of the selected figure properties. This linear transition is represented by the straight line in the 'transition graph', as shown below:



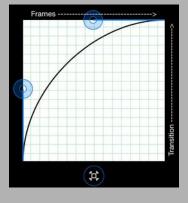
You can drag the handles to create other transitions, see right:



This transition will ease in and ease out slowly



This transition will ease in and ease out fast



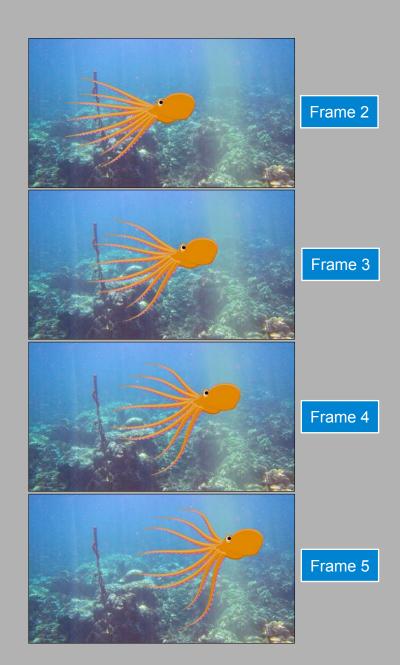
This transition will ease in very fast and ease out slowly

Starting the 'Key Figure' Operation

Once you've set up the parameters on the 'Key Figure/Clone' popover, press the button to process the frames:



Animation Pro will 'key' the selected figure/clone properties between the start frame and the end frame to produce a smooth transition:



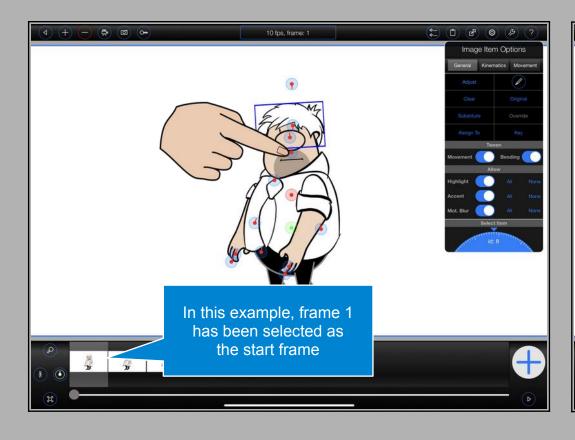
Important 'Key Figure/Clone' Considerations

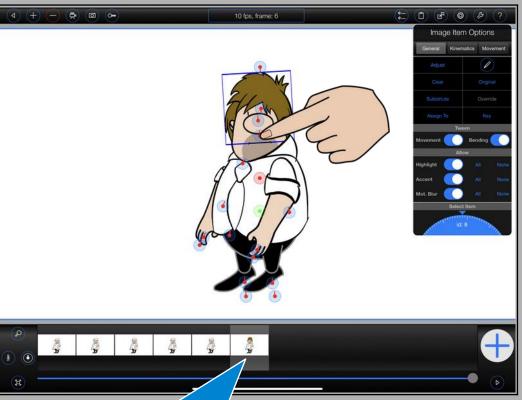
- 1. 'Item Movements', 'Item Bends' and 'Item Stretches' will not be 'keyed' in figure substitutes even where the 'Key Substitutes' switch is turned on. This would most likely destroy the geometry of the substituted figure, so it not permitted.
- 2. Where 'Item Tints' are to be 'keyed', please ensure that the blend modes applied to the items are the same on the start frame and the end frame.
- 3. Where the 'keyed' figure has clones, those clones will be updated according to their 'Clone' settings in the 'Figure Inspector'. If, for example, a clone has its movement reversed in the 'Clone' settings, it will be moved to the right when the selected figure is 'keyed' to the left.
- 4. You can use the 'Key Figure/Clone' popover to add a figure to multiple frames by selecting the 'Add Figure if Missing' option. Please note that where the selected figure does not exist in the end frame, it will be added there as well. In that case, regardless of the properties selected, the figure will be exactly the same across all of the selected frames upon the completion of the 'Key Figure' operation.
- 5. You may get unexpected results when a clone (or a shadow) is 'keyed'. Clones generally copy one or more of the settings of their parent figure (as controlled by the 'Clone' settings in the 'Figure Inspector'). 'Keying' will thus have no effect on the properties of a clone that are copied (cloned) from a parent figure.

Item Keyframing

Animation Pro allows individual items, within figures, to be 'keyed'.

Set up the item (in your figure) on a start frame and (optionally) an end frame:

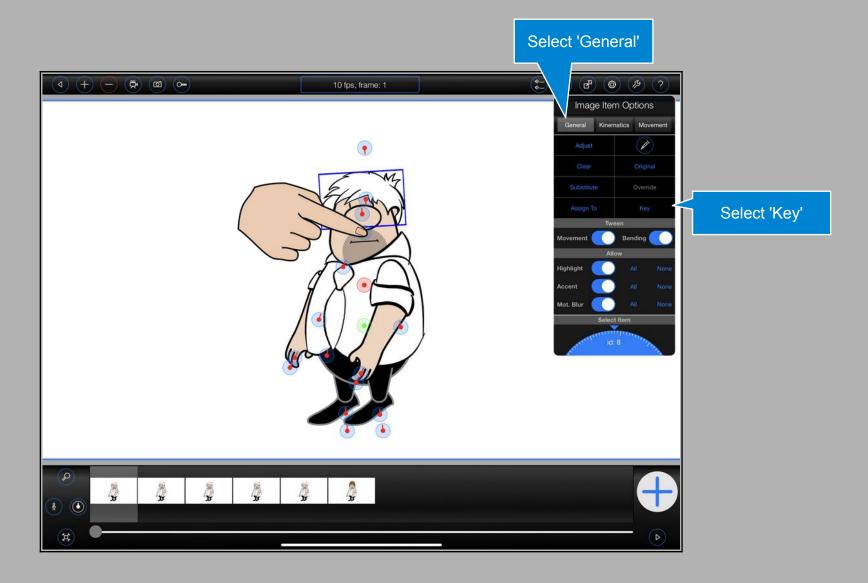




In this example, frame 6 has been selected as the end frame

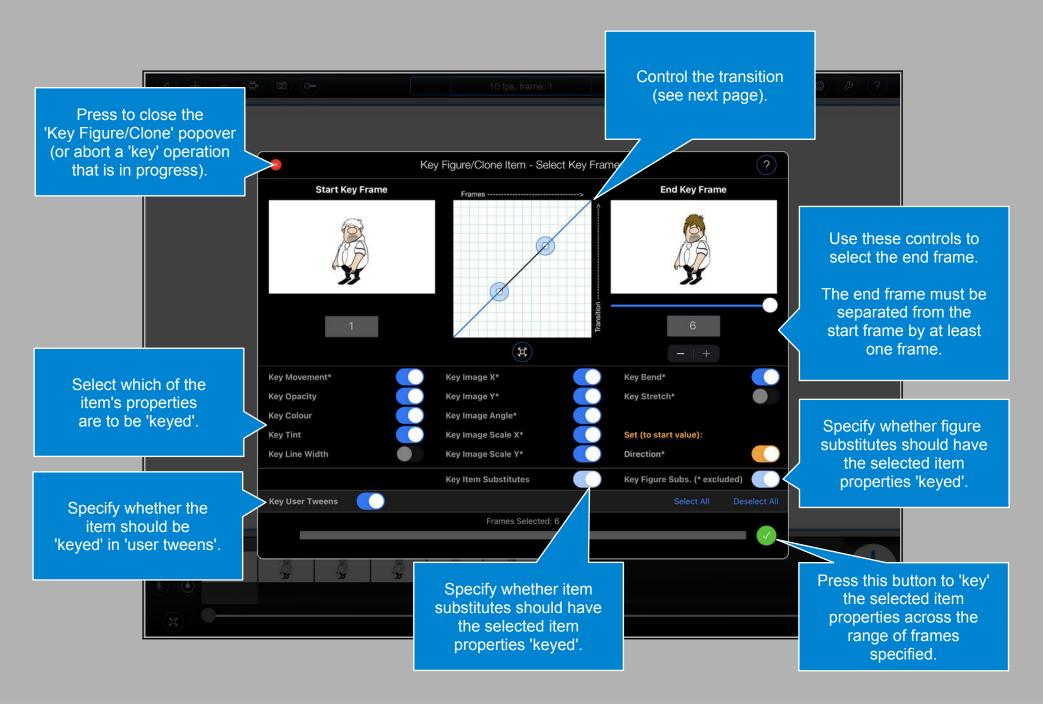
In this case, the hair on the figure has been scaled and tinted on the end frame.

Select the item (in the figure) on the start frame and then press the 'Key' button on the 'Item Options' popover:



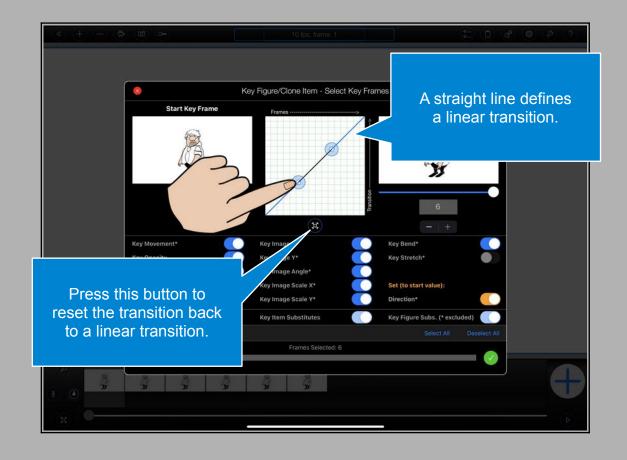
Please note: You may have to tap twice on bendable items to make the 'Options' popover appear.

Animation Pro will display the 'Key Figure/Clone Item' popover:

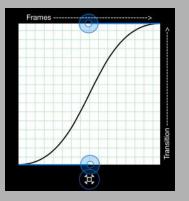


Controlling the Transition

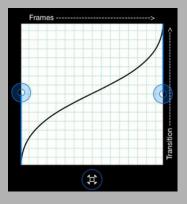
By default, Animation Pro will create a smooth linear transition, between the start frame and the end frame, of the selected item properties. This linear transition is represented by the straight line in the 'transition graph', as shown below:



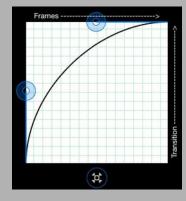
You can drag the handles to create other transitions, see right:



This transition will ease in and ease out slowly



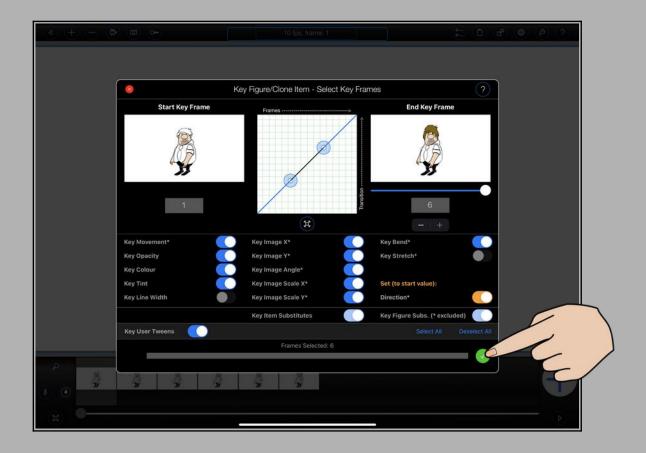
This transition will ease in and ease out fast



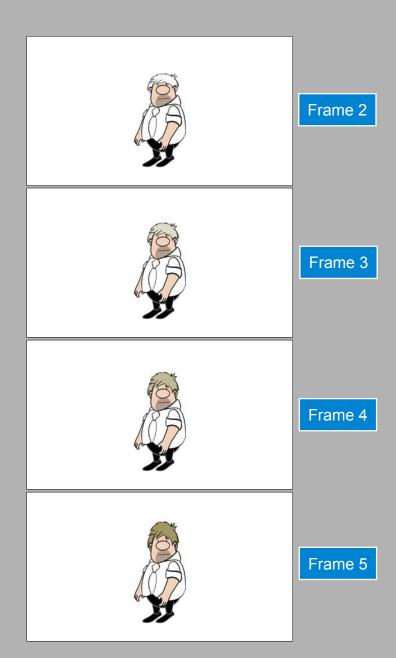
This transition will ease in very fast and ease out slowly

Starting the 'Key Figure/Clone Item' Operation

Once you've set up the parameters on the 'Key Figure/Clone Item' popover, press the button to process the frames:



Animation Pro will 'key' the selected item's properties between the start frame and the end frame to produce a smooth transition:



Important 'Key Figure/Clone Item' Considerations

- 1. Properties that affect the position or geometry of the selected item may not be 'keyed' across figure substitutes. This would most likely destroy the geometry of the substituted item, so it is not permitted.
- 2. Where 'Item Tints' are to be 'keyed', please ensure that the blend modes applied to the item are the same on the start frame and the end frame.
- 3. Where the 'keyed' figure has clones, those clones will be updated according to their 'Clone' settings in the 'Figure Inspector'.
- 4. You may get unexpected results when an item in a clone (or a shadow) is 'keyed'. Clones generally copy one or more of the settings of their parent figure (as controlled by the 'Clone' settings in the 'Figure Inspector'). 'Keying' will thus have no effect on the properties, of an item in a clone, that are copied (cloned) from a parent figure.