

Stage Search Macro for NIS Elements

V 1.1

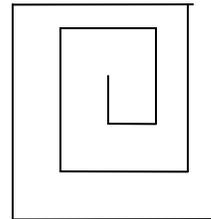
What this macro does:

- This macro is designed to aid users in finding samples when operating at high magnification or when attempting to focus on very small objects.
- The macro moves the stage in continually larger adjacent fields of view, until the user presses the stop button.
- The macro supports any camera and objective, any binning mode with a calibration of um or mm.

Requirements for operation:

- NIS Elements AR or BR with Advanced Interpreter
- Automated stage supported by NIS Elements
- Stage connected to NIS Elements
- Calibrated objective optical configurations
- Stage must be initialized before macro will run.

Example of Stage Travel



Installation:

- 1) You may need to rename the file extension from .txt to .mac.
- 2) Copy “Stage Search.mac” into any directory where you keep your macros.
 - a. The default directory that is used by Elements is
 - i. “C:\Program Files\NIS Elements\Macros”
- 3) Optionally you can install a menu command or hotkey for this macro.
 - a. Hotkey assignments are found under the Macro Menu, then Options.
 - b. Adding a menu command is found under View ->Layout.

Operation:

- 1) Open Elements and initiate you stage (if required)
- 2) Under the Macro menu select “Open”.
- 3) Open the macro from whatever directory you saved it in.
- 4) Press F4 to run the macro.

User Controls:

- 1) Waittime controls how long the stage dwells on a single spot. Setting this to 0.00 causes the system to wait until the user clicks “Continue”. ***currently you have to stop the macro by pressing ctrl+break.
- 2) Fratio controls the amount of overlap in the fields. Setting the fratio value to 0.2 causes the system to overlap adjacent fields by 20%.

Questions, bugs and comments can be forwarded to the developer:

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