

# file\_boxcar.exe

```
Parameters:
                input file name
 (string) -if
                output file name
 (string) -of
 (int)
          -nwr Nwin Row
 (int)
          -nwc Nwin Col
          -ofr Offset Row
 (int)
 (int)
          -ofc Offset Col
 (int)
          -fnr Final Number of Row
          -fnc Final Number of Col
 (int)
Optional Parameters:
 (string) -mask mask file (valid pixels)
          -mem Allocated memory for blocksize determination (in Mb)
 (int)
 (string) -errf memory error file
 (noarg)
          -help displays this message
```

# file\_lee\_refined.exe

```
Parameters:
 (string) -if
                input file name
 (string) -of
                output file name
           -nw Nwin Row and Col
 (int)
           -nlk Nlook
 (int)
 (int)
          -ofr Offset Row
           -ofc Offset Col
 (int)
 (int)
           -fnr Final Number of Row
           -fnc Final Number of Col
 (int)
Optional Parameters:
 (string) -mask mask file (valid pixels)
           -mem Allocated memory for blocksize determination (in Mb)
 (int)
 (string) -errf memory error file
          -help displays this message
 (noarg)
```

#### file median.exe

```
input file name
(string) -if
(string) -of
               output file name
         -nwr Nwin Row
(int)
         -nwc Nwin Col
(int)
         -ofr Offset Row
(int)
         -ofc Offset Col
(int)
         -fnr Final Number of Row
(int)
(int)
         -fnc Final Number of Col
```

```
Optional Parameters:
(string) -mask mask file (valid pixels)
(int) -mem Allocated memory for blocksize determination (in Mb)
(string) -errf memory error file
(noarg) -help displays this message
```

#### file\_nagao.exe

```
Parameters:
 (string) -if input file name
 (string) -of output file name
          -nwr Nwin Row
 (int)
          -nwc Nwin Col
 (int)
          -ofr Offset Row
 (int)
          -ofc Offset Col
 (int)
          -fnr Final Number of Row
 (int)
          -fnc Final Number of Col
 (int)
Optional Parameters:
 (string) -mask mask file (valid pixels)
          -mem Allocated memory for blocksize determination (in Mb)
 (int)
 (string) -errf memory error file
 (noarg)
        -help displays this message
```

# file\_operand.exe

```
Parameters:
 (string) -if input file name
 (string) -it input file type
 (string) -of output file name
 (string) -ot output file type
 (string) -op operand
          -ofr Offset Row
 (int)
          -ofc Offset Col
 (int)
          -fnr Final Number of Row
 (int)
          -fnc Final Number of Col
 (int)
Optional Parameters:
 (string) -mask mask file (valid pixels)
          -mem Allocated memory for blocksize determination (in Mb)
 (int)
 (string) -errf memory error file
          -help displays this message
 (noarg)
```

# file\_operand\_file.exe

```
Parameters:

(string) -if1 input file name 1
(string) -it1 input file type 1
(string) -if2 input file name 2
(string) -it2 input file type 2
(string) -of output file name
(string) -ot output file type
```

```
(string) -op operand
(int) -ofr Offset Row
(int) -ofc Offset Col
(int) -fnr Final Number of Row
(int) -fnc Final Number of Col

Optional Parameters:
(string) -mask mask file (valid pixels)
(int) -mem Allocated memory for blocksize determination (in Mb)
(string) -errf memory error file
(noarg) -help displays this message
```

# file\_operand\_value.exe

```
Parameters:
 (string) -if input file name 1
 (string) -it input file type 1
 (float) -ivr input real value
 (float) -ivi input imag value
 (string) -it2 input file type 2
 (string) -of output file name
 (string) -ot output file type
 (string) -op operand
 (int) -ofr Offset Row
          -ofc Offset Col
 (int)
 (int)
         -fnr Final Number of Row
 (int)
         -fnc Final Number of Col
Optional Parameters:
 (string) -mask mask file (valid pixels)
          -mem Allocated memory for blocksize determination (in Mb)
 (int)
 (string) -errf memory error file
 (noarg) -help displays this message
```

#### matM\_operand\_file.exe

```
(string) -id input directroy
 (string) -if input file name
 (string) -iodf input-output data format
 (string) -od output directory
               operand
 (string) -op
 (int)
          -ofr Offset Row
 (int)
          -ofc Offset Col
          -fnr Final Number of Row
 (int)
 (int)
          -fnc Final Number of Col
Optional Parameters:
 (string) -mask mask file (valid pixels)
 (int)
          -mem Allocated memory for blocksize determination (in Mb)
 (string) -errf memory error file
 (noarg) -help displays this message
          -data displays the help concerning Data Format parameter
 (noarg)
```

#### **Usage:**

```
Polarimetric Input-Output Data Format
```

```
C2 input : covariance C2 output : covariance C2
C3 input : covariance C3 output : covariance C3
C4 input : covariance C4 output : covariance C4
T2 input : coherency T2 output : coherency T2
T3 input : coherency T3 output : coherency T3
T4 input : coherency T4 output : coherency T4
```

# matM\_operand\_matM.exe

```
Parameters:
```

```
(string) -id1 input directroy 1
 (string) -id2 input directory 2
 (string) -iodf input-output data format
 (string) -od output directory
          -ofr Offset Row
 (int)
           -ofc Offset Col
 (int)
          -fnr Final Number of Row
 (int)
          -fnc Final Number of Col
 (int)
Optional Parameters:
 (string) -mask mask file (valid pixels)
          -mem Allocated memory for blocksize determination (in Mb)
 (int)
 (string) -errf memory error file
          -help displays this message
 (noarq)
 (noarg)
          -data displays the help concerning Data Format parameter
```

# Usage:

# Polarimetric Input-Output Data Format

```
C2
         input : covariance C2
                            output : covariance C2
         input : covariance C3
                           output : covariance C3
C3
         input : covariance C4 output : covariance C4
C4
Т2
         output : coherency T3
Т3
         input : coherency T3
T4
         input : coherency T4
                            output : coherency T4
```

#### matM\_operand\_matXSU.exe

```
(string) -id input directroy
(string) -if input file matX
(string) -iodf input-output data format
(string) -od output directory
(int) -ofr Offset Row
(int) -ofc Offset Col
```

```
(int)    -fnr Final Number of Row
(int)    -fnc Final Number of Col

Optional Parameters:
  (string)    -mask mask file (valid pixels)
  (int)     -mem Allocated memory for blocksize determination (in Mb)
  (string)    -errf memory error file
  (noarg)    -help displays this message
  (noarg)    -data displays the help concerning Data Format parameter
```

#### Usage:

Polarimetric Input-Output Data Format

```
C2 input : covariance C2 output : covariance C2
C3 input : covariance C3 output : covariance C3
C4 input : covariance C4 output : covariance C4
T2 input : coherency T2 output : coherency T2
T3 input : coherency T3 output : coherency T3
T4 input : coherency T4 output : coherency T4
```

# matM\_operand\_matX\_add.exe

```
Parameters:
```

```
(string) -id input directroy
(string) -if input file matX
(string) -iodf input-output data format
(string) -od output directory
(int) -ofr Offset Row
(int) -ofc Offset Col
(int) -fnr Final Number of Row
(int) -fnc Final Number of Col
```

# Optional Parameters:

```
(string) -mask mask file (valid pixels)
(int) -mem Allocated memory for blocksize determination (in Mb)
(string) -errf memory error file
(noarg) -help displays this message
(noarg) -data displays the help concerning Data Format parameter
```

### **Usage:**

Polarimetric Input-Output Data Format

```
C2 input : covariance C2 output : covariance C2
C3 input : covariance C3 output : covariance C3
C4 input : covariance C4 output : covariance C4
T2 input : coherency T2 output : coherency T2
T3 input : coherency T3 output : coherency T3
T4 input : coherency T4 output : coherency T4
```

# matM\_operand\_matX\_dist.exe

```
Parameters:
 (string) -id input directroy
 (string) -if input file matX
 (string) -iodf input-output data format
 (string) -of output file name
           -ofr Offset Row
 (int)
           -ofc Offset Col
-fnr Final Number of Row
 (int)
 (int)
 (int)
          -fnc Final Number of Col
Optional Parameters:
 (string) -mask mask file (valid pixels)
          -mem Allocated memory for blocksize determination (in Mb)
 (int)
 (string) -errf memory error file
 (noarg)
          -help displays this message
 (noarq)
          -data displays the help concerning Data Format parameter
```

#### **Usage:**

Polarimetric Input-Output Data Format

```
C2 input : covariance C2 output : covariance C2
C3 input : covariance C3 output : covariance C3
C4 input : covariance C4 output : covariance C4
T2 input : coherency T2 output : coherency T2
T3 input : coherency T3 output : coherency T3
T4 input : coherency T4 output : coherency T4
```

### matM\_operand\_out\_eig.exe

```
Parameters:
 (string) -id input directory
 (string) -it input data format
 (string) -of output file
 (string) -op operand
 (int)
          -ofr Offset Row
 (int)
          -ofc Offset Col
          -fnr Final Number of Row
 (int)
          -fnc Final Number of Col
 (int)
Optional Parameters:
 (string) -mask mask file (valid pixels)
 (int)
          -mem Allocated memory for blocksize determination (in Mb)
 (string) -errf memory error file
 (noarg) -help displays this message
        -data displays the help concerning Data Format parameter
 (noarg)
```

# Usage:

Polarimetric Input-Output Data Format

```
C2 input : covariance C2 output : covariance C2
C3 input : covariance C3 output : covariance C3
C4 input : covariance C4 output : covariance C4
T2 input : coherency T2 output : coherency T2
T3 input : coherency T3 output : coherency T3
T4 input : coherency T4 output : coherency T4
```

#### matM\_operand\_out\_file.exe

```
Parameters:
```

```
(string) -id input directory
(string) -it input data format
(string) -of output file
(string) -op operand
(int) -ofr Offset Row
(int) -ofc Offset Col
(int) -fnr Final Number of Row
(int) -fnc Final Number of Col
```

# Optional Parameters:

```
(string) -mask mask file (valid pixels)
(int) -mem Allocated memory for blocksize determination (in Mb)
(string) -errf memory error file
(noarg) -help displays this message
(noarg) -data displays the help concerning Data Format parameter
```

#### Usage:

Polarimetric Input-Output Data Format

```
C2 input : covariance C2 output : covariance C2
C3 input : covariance C3 output : covariance C3
C4 input : covariance C4 output : covariance C4
T2 input : coherency T2 output : coherency T2
T3 input : coherency T3 output : coherency T3
T4 input : coherency T4 output : coherency T4
```

# matM\_operand\_out\_matM.exe

### Parameters:

```
(string) -id input directory
(string) -iodf input-output data format
(string) -od output directory
(string) -op operand
(int) -ofr Offset Row
(int) -ofc Offset Col
(int) -fnr Final Number of Row
(int) -fnc Final Number of Col
```

#### Optional Parameters:

```
(string) -mask mask file (valid pixels)
(int) -mem Allocated memory for blocksize determination (in Mb)
(string) -errf memory error file
(noarg) -help displays this message
(noarg) -data displays the help concerning Data Format parameter
```

#### Usage:

Polarimetric Input-Output Data Format

```
C2 input : covariance C2 output : covariance C2
C3 input : covariance C3 output : covariance C3
C4 input : covariance C4 output : covariance C4
T2 input : coherency T2 output : coherency T2
T3 input : coherency T3 output : coherency T3
T4 input : coherency T4 output : coherency T4
```

# matM\_operand\_value.exe

```
Parameters:
```

```
(string) -id
               input directroy
 (float)
          -iv input value
 (string) -iodf input-output data format
 (string) -od output directory
 (string) -op operand
          -ofr Offset Row
 (int)
          -ofc Offset Col
 (int)
          -fnr Final Number of Row
 (int)
          -fnc Final Number of Col
 (int)
Optional Parameters:
 (string) -mask mask file (valid pixels)
 (int) -mem Allocated memory for blocksize determination (in Mb)
 (string) -errf memory error file
```

(noarg) -help displays this message
(noarg) -data displays the help concerning Data Format parameter

#### Usage:

Polarimetric Input-Output Data Format

```
input : covariance C2 output : covariance C2
c3 input : covariance C3 output : covariance C3
c4 input : covariance C4 output : covariance C4
c7 input : coherency T2 output : coherency T2
c7 input : coherency T3 output : coherency T3
c7 input : coherency T4 output : coherency T4
```

```
Parameters:
 (string) -id input directroy
 (string) -if input file name
 (string) -it input file format
 (string) -od output directory
 (string) -op operand
         -ofr Offset Row
 (int)
 (int)
          -ofc Offset Col
          -fnr Final Number of Row
 (int)
          -fnc Final Number of Col
 (int)
Optional Parameters:
 (string) -mask mask file (valid pixels)
          -mem Allocated memory for blocksize determination (in Mb)
 (int)
 (string) -errf memory error file
 (noarg)
         -help displays this message
matS_operand_matS.exe
Parameters:
 (string) -idl input directroy 1
 (string) -id2 input directory 2
 (string) -od output directory
 (string) -op operand
        -ofr Offset Row
 (int)
 (int)
          -ofc Offset Col
 (int)
          -fnr Final Number of Row
          -fnc Final Number of Col
 (int)
Optional Parameters:
 (string) -mask mask file (valid pixels)
          -mem Allocated memory for blocksize determination (in Mb)
 (int)
 (string) -errf memory error file
 (noarg)
          -help displays this message
matS_operand_matX.exe
Parameters:
```

```
(string) -id input directroy
 (string) -if input file matX
 (string) -od output directory
 (string) -op operand
 (int)
          -ofr Offset Row
 (int)
          -ofc Offset Col
          -fnr Final Number of Row
 (int)
 (int)
          -fnc Final Number of Col
Optional Parameters:
 (string) -mask mask file (valid pixels)
 (int) -mem Allocated memory (string) -errf memory error file
           -mem Allocated memory for blocksize determination (in Mb)
 (noarg) -help displays this message
```

# matS\_operand\_matXSU.exe

```
Parameters:
 (string) -id input directroy
 (string) -if input file matX
 (string) -od output directory
 (string) -op operand
          -ofr Offset Row
 (int)
          -ofc Offset Col
-fnr Final Number of Row
 (int)
 (int)
 (int)
          -fnc Final Number of Col
Optional Parameters:
 (string) -mask mask file (valid pixels)
          -mem Allocated memory for blocksize determination (in Mb)
 (int)
 (string) -errf memory error file
 (noarg)
          -help displays this message
matS_operand_out_eig.exe
Parameters:
 (string) -id input directroy
 (string) -of output file
 (string) -op operand
```

# Optional Parameters:

(int)

(int)

(int)

(int)

Parameters:

```
(string) -mask mask file (valid pixels)
(int) -mem Allocated memory for blocksize determination (in Mb)
(string) -errf memory error file
```

(noarg) -help displays this message

-ofr Offset Row

-ofc Offset Col

-fnr Final Number of Row

-fnc Final Number of Col

# matS\_operand\_out\_file.exe

```
(string) -id input directroy
 (string) -of output file
 (string) -op operand
          -ofr Offset Row
 (int)
          -ofc Offset Col
 (int)
          -fnr Final Number of Row
 (int)
          -fnc Final Number of Col
 (int)
Optional Parameters:
 (string) -mask mask file (valid pixels)
          -mem Allocated memory for blocksize determination (in Mb)
 (int)
 (string) -errf memory error file
 (noarg) -help displays this message
```

#### matS\_operand\_out\_matS.exe

```
Parameters:
 (string) -id input directroy
 (string) -od output directory
 (string) -op operand
           -ofr Offset Row
 (int)
           -ofc Offset Col
 (int)
           -fnr Final Number of Row
-fnc Final Number of Col
 (int)
 (int)
Optional Parameters:
 (string) -mask mask file (valid pixels)
          -mem Allocated memory for blocksize determination (in Mb)
 (string) -errf memory error file
          -help displays this message
 (noarg)
```

#### matS\_operand\_value.exe

```
Parameters:
 (string) -id input directroy
 (float) -ivr input real value
 (float)
         -ivi input imag value
 (string) -od output directory
 (string) -op operand
          -ofr Offset Row
 (int)
          -ofc Offset Col
 (int)
          -fnr Final Number of Row
 (int)
 (int)
          -fnc Final Number of Col
Optional Parameters:
 (string) -mask mask file (valid pixels)
 (int) -mem Allocated memory for blocksize determination (in Mb)
 (string) -errf memory error file
 (noarg)
         -help displays this message
```

# matX\_operand\_matX.exe

```
Parameters:
  (string) -if1 input file matX1
  (string) -if2 input file matX2
  (string) -of output file matX
  (string) -op operand

Optional Parameters:
  (noarg) -help displays this message
```

# matX\_operand\_out\_matX.exe

```
(string) -if input file matX
(string) -of output file matX
(string) -op operand

Optional Parameters:
(noarg) -help displays this message
```

# matX\_operand\_out\_value.exe

```
Parameters:
  (string) -if input file matX
  (string) -of output file matX
  (string) -op operand

Optional Parameters:
  (noarg) -help displays this message
```

# matX\_operand\_value.exe

```
Parameters:

(string) -if input file matX
(string) -of output file matX
(float) -ivr input real value
(float) -ivi input imag value
(string) -op operand

Optional Parameters:
(noarg) -help displays this message
```

# test\_SU\_matX.exe

```
Parameters:
  (string) -if input file matX
  (string) -of output file
```