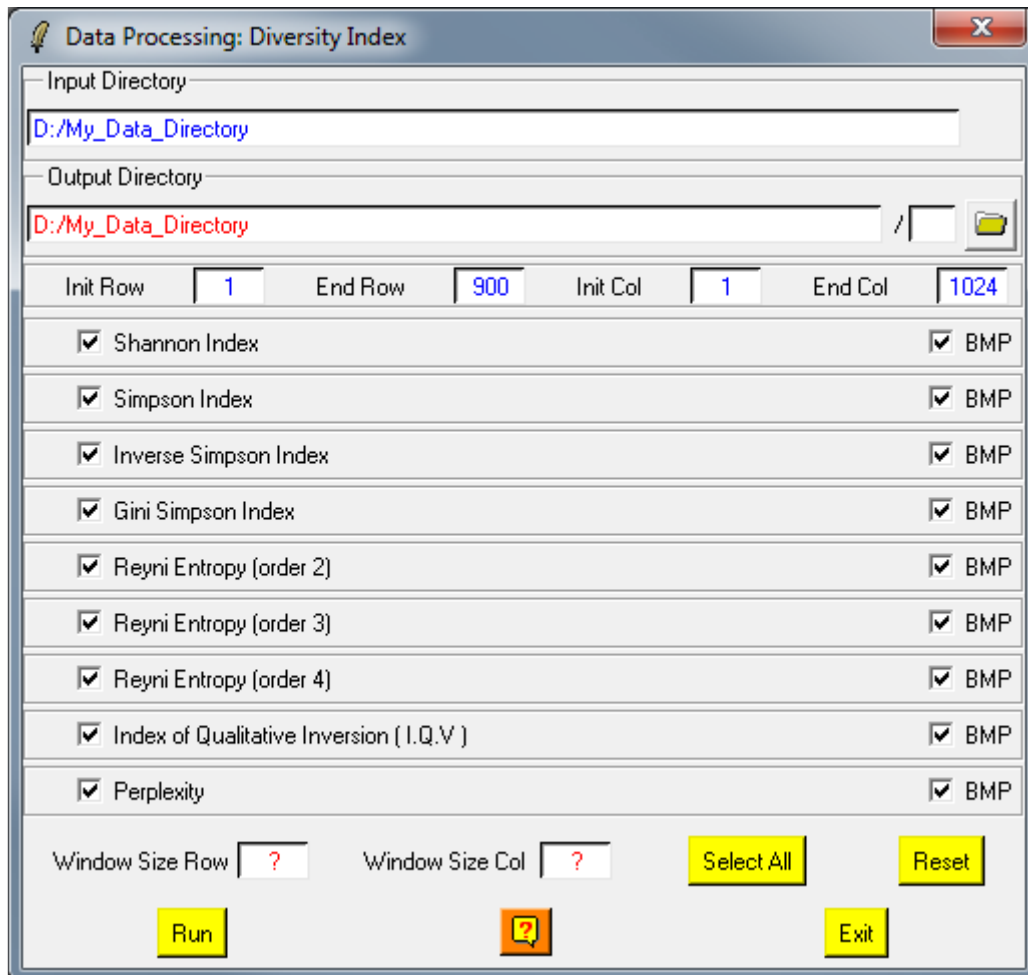



Diversity Index



Data Processing: Diversity Index


Input Directory:

Output Directory: / 

Init Row: End Row: Init Col: End Col:

<input checked="" type="checkbox"/> Shannon Index	<input checked="" type="checkbox"/> BMP
<input checked="" type="checkbox"/> Simpson Index	<input checked="" type="checkbox"/> BMP
<input checked="" type="checkbox"/> Inverse Simpson Index	<input checked="" type="checkbox"/> BMP
<input checked="" type="checkbox"/> Gini Simpson Index	<input checked="" type="checkbox"/> BMP
<input checked="" type="checkbox"/> Reyni Entropy (order 2)	<input checked="" type="checkbox"/> BMP
<input checked="" type="checkbox"/> Reyni Entropy (order 3)	<input checked="" type="checkbox"/> BMP
<input checked="" type="checkbox"/> Reyni Entropy (order 4)	<input checked="" type="checkbox"/> BMP
<input checked="" type="checkbox"/> Index of Qualitative Inversion (I.Q.V)	<input checked="" type="checkbox"/> BMP
<input checked="" type="checkbox"/> Perplexity	<input checked="" type="checkbox"/> BMP

Window Size Row: Window Size Col:



Description:

Creates binary files corresponding to different parameters constructed from polarimetric raw binary data.

An option may be set to simultaneously create the corresponding bitmap image files

Comments:

Parameters written in Red can be modified directly by the user from the keyboard.

Input/Output Arguments:

Input Directory	Indicates the complete location of the considered Main Directory (MD) containing the [S2] matrix data to be processed.
Output Directory	Indicates the location of the processed data output directory. The default value is set automatically to : Main Directory (MD) .

Output Image Number of Rows/Columns:

The output image numbers of rows and columns are initialised to the input data set dimensions.

Users wishing to process a sub-part of the initial image can modify the **Init** and **End** values of the converted images rows and columns.

Note: init and end values have to remain within the range defined by the input image dimensions.

Processing Parameters:

Window size Users have to set the size of the (N*N) sliding window used to compute the local estimate of the average matrix.
The default value of N is set to 7.
