

# Transformations of plots produced by Web-ZVView using 2D-calibration for checking result of digitization.

“How-to” instructions

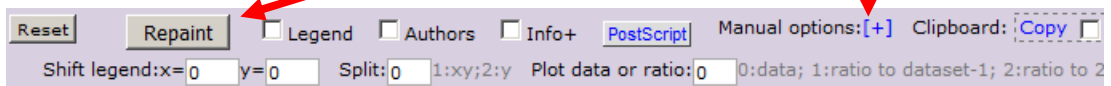
V.Zerkin, IAEA-NDS, 16-May-2017

## Purpose

The tool for transformations of an output from plotting program Web-ZVView was developed for checking results of digitizing done by EXFOR compilers when scanned original figure was distorted (see [1]).

## How to use the tool

1) Open “Manual options” [+]



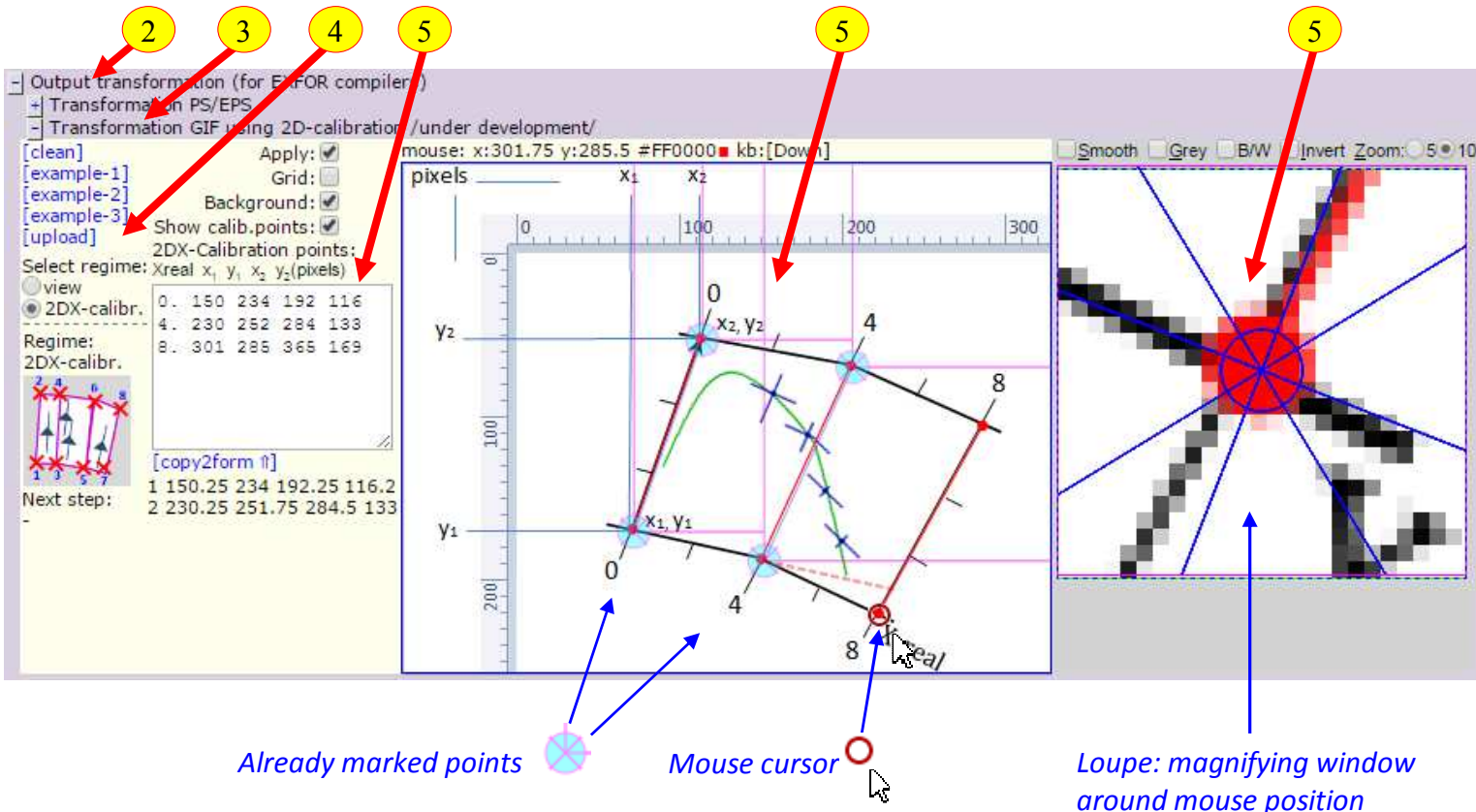
2) open box: “Output transformation” [+]

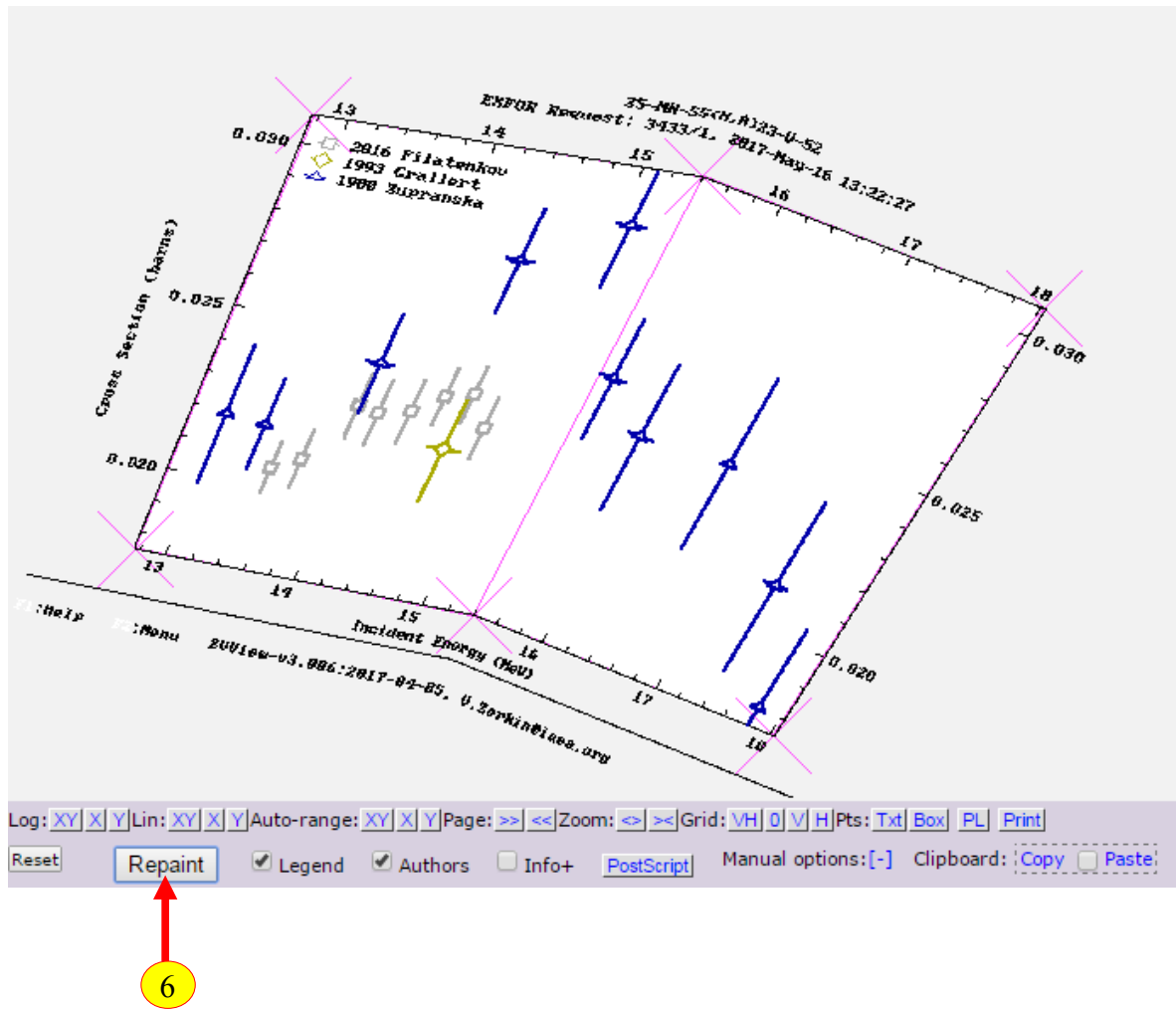
3) open box: “Transformation GIF using 2D-calibration” [+]

4) [upload] your initial figure from a local file (gif, png, jpg)

5) edit calibration points either in text area or using mouse and keyboard on your figure and loupe

6) check option [Apply] and press [Repaint]





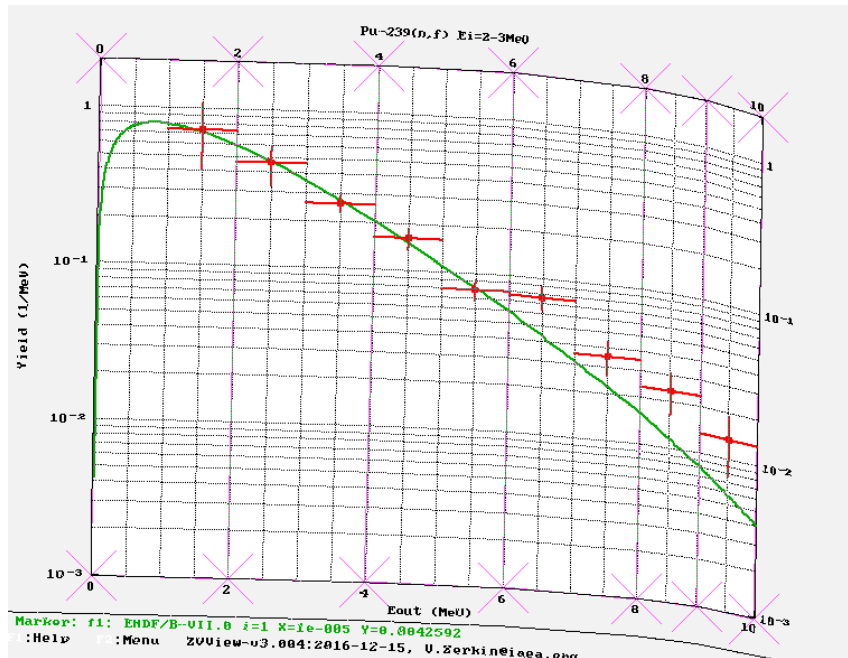
See examples “Calibration points and resulting plots” in Apendix-1.

References:

1. V.Zerkin, ”Some requirements for digitizing software and using advanced plotting for checking results”, Working materials of Consultants Meeting: “Benchmarking of Digitization Software”, 12 to 14 November 2012, IAEA, <https://www-nds.iaea.org/digitization/docs/zerkin.pdf>

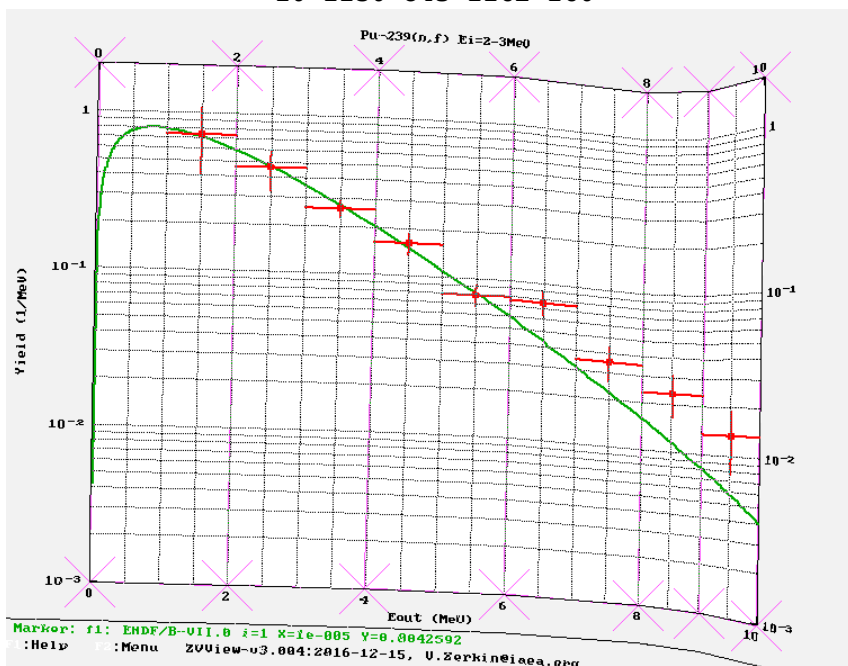
Example 1.

0	184	789	199	141
2	383	793	399	146
4	583	798	604	151
6	784	805	800	160
8	978	818	992	180
9	1066	828	1081	195
10	1150	843	1162	216



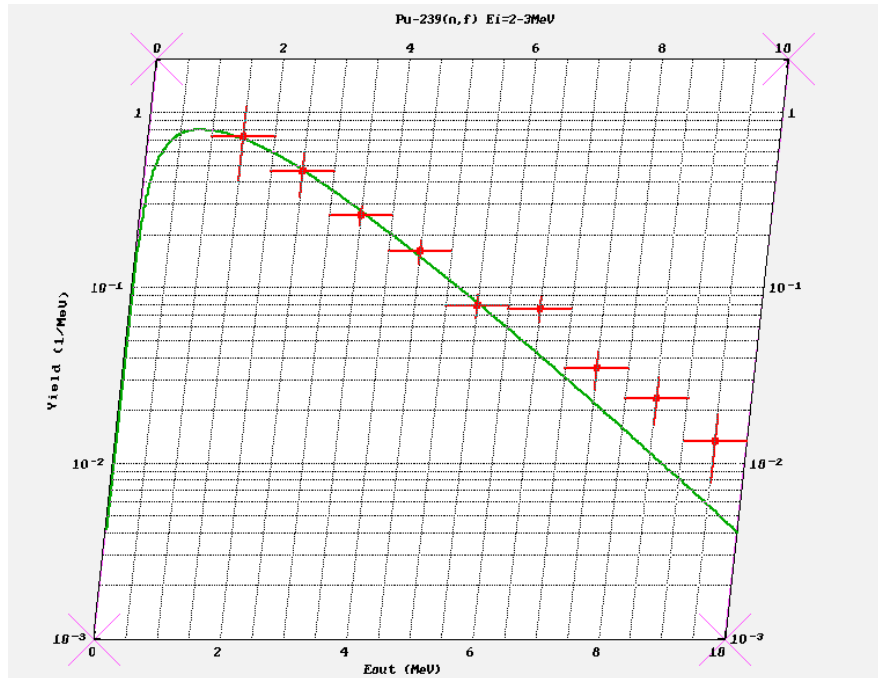
Example 2.

0	184	789	199	141
2	383	793	399	146
4	583	798	604	151
6	784	805	800	160
8	978	818	992	180
9	1066	828	1081	178
10	1150	843	1162	160



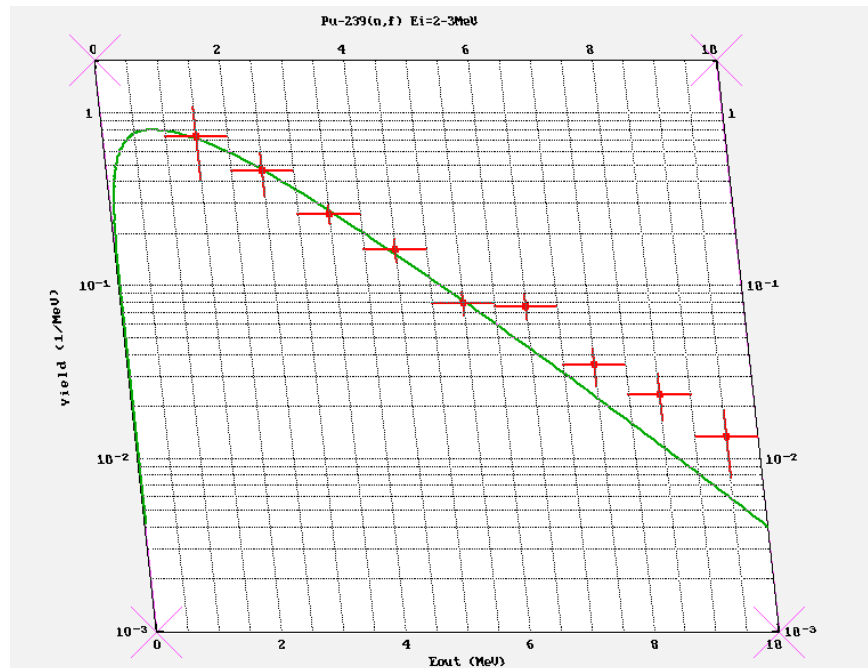
Example 3.

```
0 0 100 10 0 ! skewX //
10 100 100 110 0 ! skewX //
```



Example 4.

```
0 0 100 -10 100 ! skewX\\
1 100 100 90 100 ! skewX\\
```

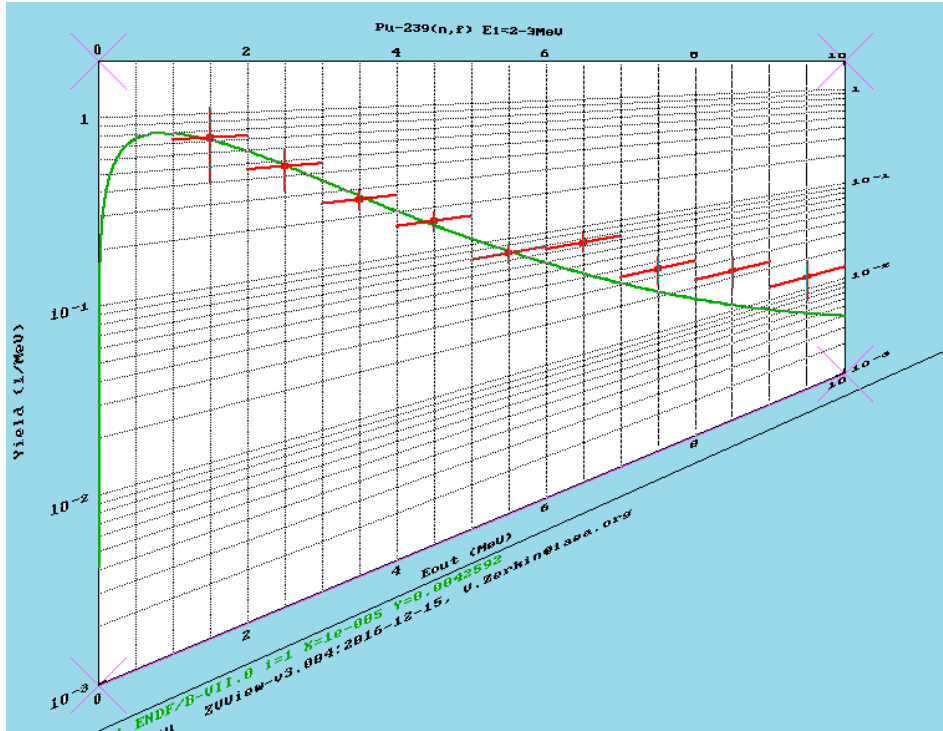


Example 5.

```

0 0 500 0 0
10 600 250 600 0

```

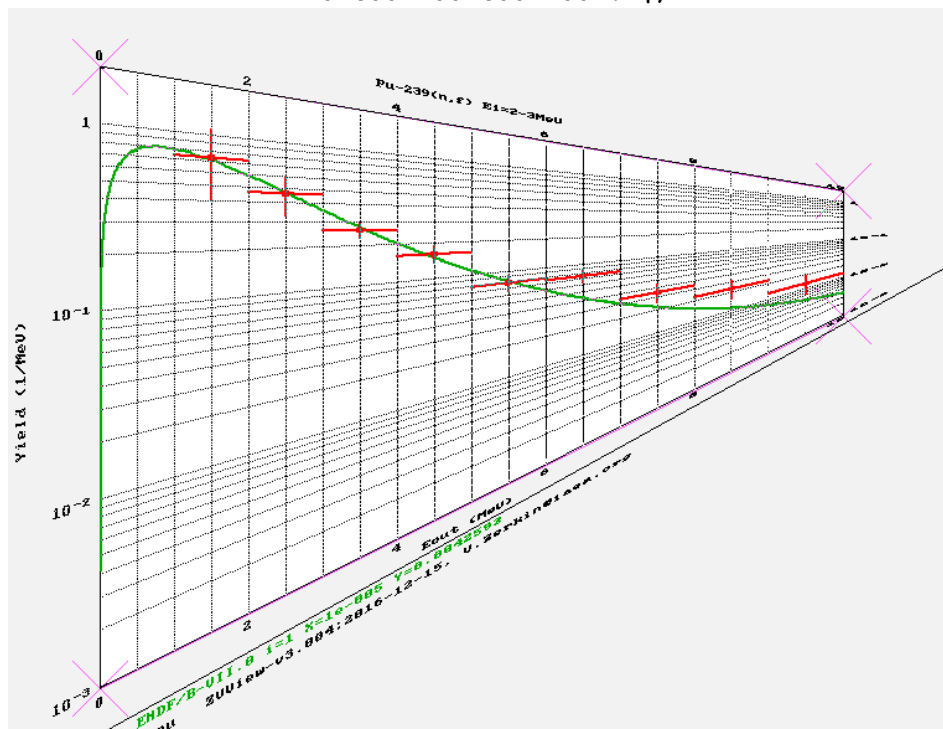


Example 6.

```

0 0 500 0 0 ! | \
10 600 200 600 100 ! | /

```

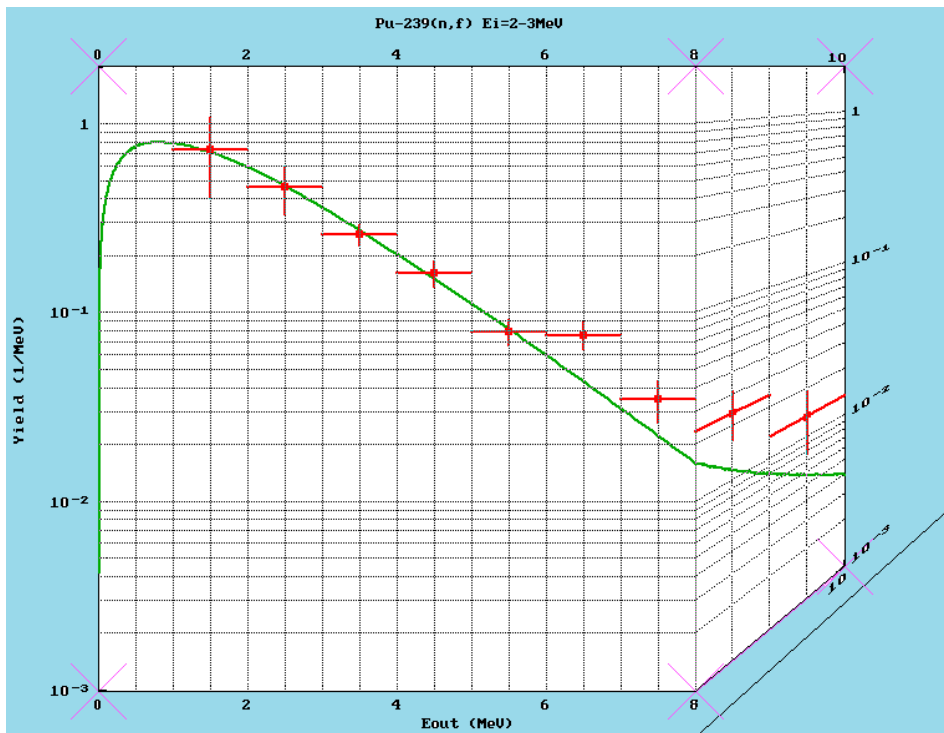


Example 7.

```

0 0 100 0 0 ! skewY
8 80 100 80 0 ! skewY
10 100 80 100 0 ! skewY

```



Example 8.

```

0 0 80 0 0 ! skewY
8 80 100 80 20 ! skewY
10 100 80 100 0 ! skewY

```

