

Disclaimer

You download and run this application at your own discretion and risk, and you will be solely responsible for any damages that may result, including loss of data or damage to your computer system.

About LumineX2

LumineX is able to visually represent thermoluminescence color information on a CIE chromaticity diagram regardless of the image size. For further details, see – M. Ogata, N. Hasebe, A. Inagaki, N. Endo, 2014. Advanced Java-based application to process thermoluminescence digital color images. Sci. Rep. Kanazawa Univ. Vol.58, pp. 1-12.

This application is freeware. The copywrite belongs to Geochronology Group, Kanazawa University.

Requirements

To run this version of Java application, you need

- * JRE 8

How to use

1. Choose the method between “BP included-type” and “BP excluded-type”. If you would like to include black pixels in calculating the percentage of colored pixels, please choose “BP included-type”
2. The darkness of symbols on the plot represents the percentage of pixels plotted on the same color coordinate. Set the threshold value for each level.
3. Press the 「set」 button to complete the setting.
4. Select [「File」 to 「Open」] to read the image data.
5. When the image data analysis is finished 「the image data's name」 is finished. For next analysis, restart this application.」 is displayed.
6. Data of the number of pixels in each color zone (text file) and color information plotted on a CIE diagram (image file) are output in the same location with image data.

* Do not change file path of “LumineX2” and “CIE1931”. Changing the file path will prevent this application run properly.

【LumineX2】

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<http://earth.s.kanazawa-u.ac.jp/chronology/>