User’s guide of Domain component separation system

Date: 2021.9.21

Version: 1.07

File:

[1] showPanelSoftHardMaterial.py

[2] getMaterialRigidity.py

[3] supMaterialRigidity.py

System requirements: python 3.7 or higher (libraries used in the program required)

(1) Put the above files [1], [2] and [3] under the same directory.

(2) Open a terminal and use the following command to display the control panel.

python showPanelSoftHardMaterial.py↓

(3) Select the directory for each of the following data.

ResultOutput: Any directory where you want to put the output files.

Create a destination directory for each measurement in ResultOutput and save the data in it.

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(4) Click the [Submit] button to start calculation.

(5) Result

Display 1: Frequency domain, time domain, diagrams from frequency domain and time domain data (3)

　　However, it will not be displayed in the following cases.

　　　1. when the data source does not exist

　　　2. when the frequency domain graph of Mobile, Rigid is incomplete.

　　　(3) If an error occurs during the calculation.

グラフ, ヒストグラム

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グラフ, 等高線グラフ

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Display 2: Result text

Displays (1) the two-component ratio value of mobile rigid and (2) the four-component ratio value including the intermediate.

However, if there is a system error, they will not be displayed.

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