

Input-files of mergeResult

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File name	Contents
result_0_iterX.csv * ... result_M_iterX.csv *	Observed and calculated response functions.
control.dat	Controlling parameter of FEMTIC. This file is necessary only if '-nudist' option is used.
distortion_iterX.dat	Parameters of galvanic distortion. This file is necessary only if '-nudist' option is used.

* In the file names, 'X' indicates the iteration number and *M* indicates the maximum process ID (The number of the MPI processes minus one).

How to use mergeResult

You need to execute the following command in the directory where input files exist.

```
mergeResult [Iteration number] [Number of MPI processes] [options]
```

Options of mergeResult

Option	How to work
-csv	Merged result file is outputted as csv file.
-appphs	Apparent resistivity and phase instead of impedance tensor are written in the merged result file.
-undist	Response functions without the galvanic distortion is written in the merged result file in addition the response functions affected by the galvanic distortion.

Output-files of mergeResult

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File name	Contents
result_MT.txt or result_MT.csv	Response function of the MT stations.
result_VTF.txt or result_VTF.csv	Response function of the stations of the vertical magnetic transfer function.
result_HTF.txt or result_HTF.csv	Response function of the stations of the inter-station horizontal magnetic transfer function.
result_PT.txt or result_PT.csv	Response function of the stations of
RMS.out	Total RMS and RMS of each station