

Modification history Pymagra

01/05/2025 When changing data file don't ask if only two files exist. Correct file names in Spector1D. Correct heights in synthetic model.

30/04/2025 Correct error when interpolating after having joined two data blocks

Version 25.4.1

23/04/2025 Correction sign error in 2.5D inversion, add plotting of data point positions, change color scale for synthetic data.

22/04/2025 Correction of parameter variability vs depth calculation, save synthetic model results into folder "direct..."

21/04/2025 Correction for reading single-sensor Geometrics *.stn data.

19/04/2025 Solved issue with closing floating windows

16/04/2025 After every iteration, the average parameters of the initial layers are set to zero or the minimum is set to near zero if positivity constraint is activated.

Version 25.3.2

10/03/2025 Corrections gravity inversion

Version 25.3.1

09/03/2025 Corrections 2.5D inversion with and without topography.

21/02/2025 Correction of mistake in interpolation if less than 3 points exist

19/02/2025 Corrections for aeromagnetic data format

15/02/2025 Integration of topography in inversion

03/02/2025 Plot misfit evolution for 2.5D inversion; corrections in 2.5D inversion if nans are present; choice to fill holes or not during interpolation.

16/01/2025 Correction of line choice when coordinate system in km: correction of apparent field declination when choosing E-W lines.

09/12/2024 Integration of positivity constraint for inversion

02/12/2024 Close windows when single lines were modified; correct error in diurnal corrections when data contain Nones;

20/11/2024 Restructure files for relative package import and for installation with pip, upload wheel to PyPi; Modify manual correspondingly. Change version numbering to yy.mm.version_of_month (yy = year, mm=month)