Thank you for your comment.

The Oasis Montaj Software incorporates the formulae described in the references provided for each method in the corresponding section:

-RTP: Baranov, 1957; Baranov and Naudy, 1964.

-Magnetic derivatives: Verduzco et al., 2004; Fanton et al., 2014; Hayatudeen et al., 2021; Ansari and Alamdar, 2009; Miller and Singh, 1994; Verduzco et al., 2004; Blakely et al., 2016; Lahti and Tuomo, 2010; Ma and Li, 2012.

- Euler deconvolution: Thomson, 1982; Reid et al., 1990; Cooper, 2008; FitzGerald et al., 2004.

- Power spectrum: Maus and Dimri, 1995; Peredo et al., 2021; Spector and Grant, 1970.

Global methods for magnetic interpretation, specifically reduction to the magnetic pole (RTP), Magnetic Derivatives and Analytic Signal are described in detail in Blakely, 1995, as for the equations for the Euler solutions, they are described on Thomson, 1982, and for the Power Spectrum the methodology is described in Spector and Grant, 1970.

We also added a reference to show the procedures and principles followed by Oasis Montaj for each transformation: Hinze et al., 2013.

Original:

To enhance the interpretation of the magnetic signal of the Pyrenees, derivative maps and estimated calculations of the location and depth of the magnetic sources have been generated from the total magnetic field. This enables us to improve and complete the correlation between geophysical and geological information. These calculations were made through the Oasis Montaj© software by Seequent.

Corrected version:

To enhance the interpretation of the magnetic signal of the Pyrenees, derivative maps and estimated calculations of the location and depth of the magnetic sources have been generated from the total magnetic field. This enables us to improve and complete the correlation between geophysical and geological information. These calculations were made through the Oasis Montaj© software by Seequent (Hinze et al., 2013) whose formulae is primarily based on the works of Blakely (1995), Thomson (1982) and Spector and Grant (1970) and further developed considering the references included in the description of each methodology.