Table 1. Edge detectors with maximum value of the enhancement function over magnetic feature edges.

|  |  |  |
| --- | --- | --- |
| Edge Detector | Formula | Reference |
| Horizontal Gradient |  | Nabighian (1972, 1974) |
| Analytic Signal Amplitude |  | Roest et al. (1992) |
| Theta map |  | Wijns et al. (2005) |
| Horizontal derivative of the Tilt |  | Cooper and Cowan (2008) |
| Source Parameter Imaging |  | Thurston and Smith (1997); Phillips, 2000 |
| Sunshading Filter |  | Cooper (2017) |
| Vertically Integrated Gradient |  | McKenzie et al. (2012) |
| Enhanced Horizontal Derivative |  | Fedi and Florio (2001) |
| Tilt Angle of Horizontal gradient |  | Ferreira et al. (2013) |

Table 2. Edge detectors with zero value of enhancement function over magnetic feature edges.

|  |  |  |
| --- | --- | --- |
| Edge Detector | Formula | Reference |
| Generalized Derivative Operator |  | Coper and Cowan (2011) |
| Tilt Angle |  | Singh and Miller (1994) |
| Monogenic Signal |  | Hidalgo-Cato and Barbosa (2015, 2017) |

Table 3. Edge detectors with minimum value of the enhancement function over magnetic feature edges.

|  |  |  |  |
| --- | --- | --- | --- |
| Edge Detector | | Formula | Reference |
| THVH |  | | Zhang et al. (2005) |