|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **LEADLAG - in case of AC INPUT( SINE WAVE )** | | | | | | |
| **Various Detected Faults in LEADLAG in the presence of MULTIPLE faults with deviations** | | | | | | |
| **Injected Faults** | **=500, = 0.0420**  **Optimal Order – 18th** | | **=1000, = 0.0420**  **Optimal Order – 18th** | | **=2000, = 0.0420**  **Optimal Order – 18th** | |
| **No. of Coefficients Out of Bound** | **Fault Detection Status** | **No. of Coefficients Out of Bound** | **Fault Detection Status** | **No. of Coefficients Out of Bound** | **Fault Detection Status** |
| R1 15%**↑**  R2 20% **↓** | 162 | **√** | 155 | **√** | 151 | **√** |
| R2 8% **↓**  R3 12% **↑** | 100 | **√** | 96 | **√** | 90 | **√** |
| R3 20% **↑**  C1 10% **↑**  C2 10% **↓** | 158 | **√** | 152 | **√** | 151 | **√** |
| R1 18% **↓**  C1 10% **↑**  C2 10% **↓** | 166 | **√** | 162 | **√** | 160 | **√** |
| R2 9% **↑**  R3 15% **↓**  C1 12% **↑**  C2 8% **↓** | 153 | **√** | 142 | **√** | 137 | **√** |