Tableau 1 – Les valeurs propres du mouvement longitudinal

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Les racines du polynôme caractéristique** | **T(s)** | **t1/2** | **N1/2** | **ζ** | **Mode** |
| -0.6963 + 2.3436i  -0.6963 - 2.3436i | 2.6832 | 0.9956 | 0.3710 | 0.2850 | Oscillation d’incidence  (*short period*) |
| -0.0077 + 0.0622i  -0.0077 - 0.0622i | 55.4540 | 89.6531 | 1.6167 | 0.0681 | Phugoïde |

Tableau 2 – Les valeurs propres du mouvement latéral

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Les racines du polynôme caractéristique** | **T(s)** | **t1/2(s)** | **N1/2** | **τ (s)** | **ζ** | **Mode** |
| -0.2557 + 2.8693i  -0.2557 - 2.8693i | 2.1812 | 3.2358 | 1.4835 |  | 0.0742 | Roulis hollandais |
| -1.0234 + 0.0000i |  | 0.6284 |  | 0.9067 | 1 | Convergence en roulis |
| -0.0017 + 0.0000i |  | 133.8301 |  | 193.0761 | 1 | Spiral |