Q1(a)

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Case | System Parameters | | Vessel Parameters | | | | | | Final Parameters | | |
|  |  |  |  |  |  |  |  |  |  |  |
| Single Vessel, No Drag | 1 | 0.0 | 1.0 | 0.1 | 0.0 | -0.1 | 0.0 | 0.0 |  |  |  |
| Single Vessel, Low Drag | 1 | 0.1 | 5.0 | 0.5 | 0.0 | 0.1 | -0.5 | 0.0 |  |  |  |
| Sinking Vessel | 2 | 0.0 | 100.0 | 0.1 | 1000.0 | 0.0 | 0.0 | 0.0 |  |  |  |
| Three Vessels | 10 | 0.01 | 1.0 | 0.1 | 20.0 | -0.1 | 0.0 | 0.0 |  |  |  |
| 10.0 | 0.5 | 10.0 | -0.1 | 0.0 | 0.0 |  |  |  |
| 50.0 | 10.0 | 1.0 | -0.1 | 0.0 | 0.0 |  |  |  |