**Corrida de muestra del metodo ‘compute\_integral\_value’ para verificar el funcionamiento del pseudocodigo.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **t=1.1812** | **W=0.11812** | **dof = 9** | **num\_seg=10** |  |  |  |  |
| I | Xi |  |  |  | F(Xi) | Mul | Terms Multiplier \* F(Xi) | Intermedi  ate  Sums |
|  | 0 | 1 | 1 | 0.38910838396 | 0.38910838396 | 1 | 0.38910838396 | 0.38910838396 |
| 1 | 0.11812 | 1.0013952 | 0.992360891904 | 0.38910838396 | 0.38613594296 | 4 | 1.54454377184 |  |
| 3 | 0.35436 | 1.0125571 | 0.933668312806 | 0.38910838396 | 0.36329816835 | 4 | 1.453192673425 |  |
| 5 | 0.5906 | 1.0348808 | 0.828138745304 | 0.38910838396 | 0.32223572888 | 4 | 1.288942915540 |  |
| 7 | 0.82684 | 1.0683664 | 0.695086250791 | 0.38910838396 | 0.27046388776 | 4 | 1.081855551050 |  |
| 9 | 1.06308 | 1.1130139 | 0.554940916250 | 0.38910838396 | 0.21593216311 | 4 | 0.863728652474 | 6.23226356433 |
| 2 | 0.23624 | 1.0055809 | 0.969853936958 | 0.38910838396 | 0.37737829809 | 2 | 0.754756596186 |  |
| 4 | 0.47248 | 1.0223237 | 0.885652920305 | 0.38910838396 | 0.34461497657 | 2 | 0.689229953149 |  |
| 6 | 0.70872 | 1.0502284 | 0.763729069415 | 0.38910838396 | 0.29717338398 | 2 | 0.594346767976 |  |
| 8 | 0.94496 | 1.0892949 | 0.624740736557 | 0.38910838396 | 0.24309185839 | 2 | 0.486183716799 | 2.52451703411 |
|  | 1.1812 | 1.1395233 | 0.487553473077 | 0.38910838396 | 0.18971114400 | 1 | 0.189711144006 | 0.18971114400 |
|  | Sum of terms |  |  |  |  |  |  | **9.33560012641** |
|  | W / 3 |  |  |  |  |  |  | 0.03937333333 |
|  | Sum of terms \* W / 3 |  |  |  |  |  |  | 0.35006 |