Class name: distributionT

Parent class: none

|  |  |
| --- | --- |
| **Attributes** | |
| result | Declare final result |
| **Items** | |
| gammaFunction | Calcualtes gammafunction |
| distributionT | Unsing dof calculates gamma function |
| getresult | Return result |

Class name: Getter

Parent class: none

|  |  |
| --- | --- |
| **Attributes** | |
| result | Declare final result |
| **Items** | |
| calculate | Calculates the first part of the integral |
| getResult | Return result |

Class name: SimpsonDistribution

Parent class: none

|  |  |
| --- | --- |
| **Attributes** | |
| finalResult | Declare final result |
| **Items** | |
| calculate | Calculates value for the final result mergin distributionT and Getter |
| getResult | Return final result |

Class name: main

Parent class: none

|  |  |
| --- | --- |
| **Attributes** | |
| x | Store value of x |
| dof | Store degrees of freedom |
| num\_seg | Store number of segments checked |
| error | Store Error value that ajust every itteration |
| inVal | Used to validate that dof is not |
| **Items** | |
| main | Calculates and displays using simpson rule. Correct everytime simpson rule give a number bigger that the estimated error |