

| Expon:    | Exponential distribution   |    |                                      |                                      |    |                     |
|-----------|----------------------------|----|--------------------------------------|--------------------------------------|----|---------------------|
| g-shift   | ST0 <sub>R</sub> $\lambda$ |    |                                      |                                      |    |                     |
| f-shift   |                            |    |                                      |                                      |    |                     |
| unshifted | Expon <sub>p</sub>         |    | Expon <sub><math>\Delta</math></sub> | Expon <sub><math>\Delta</math></sub> |    | Expon <sup>-1</sup> |
| Page 1    | F1                         | F2 | F3                                   | F4                                   | F5 | F6                  |

Prev menu [https://47calc.com/doc/R47/Menus/R47v0\\_Menu\\_EXP\\_page\\_1.pdf](https://47calc.com/doc/R47/Menus/R47v0_Menu_EXP_page_1.pdf)

Next menu [https://47calc.com/doc/R47/Menus/R47v0\\_Menu\\_f\\_Graph\\_page\\_1.pdf](https://47calc.com/doc/R47/Menus/R47v0_Menu_f_Graph_page_1.pdf)

| Level      | Label                      | Type               | FullName                 | Extended description                                                                         | Category           | Flag | Catalog             | Default |
|------------|----------------------------|--------------------|--------------------------|----------------------------------------------------------------------------------------------|--------------------|------|---------------------|---------|
| Menu<br>p1 | Expon:                     | MENU               | Exponential distribution | Exponential probability distribution (continuous) ; TI : RegR = $\lambda$ =                  | Probability (real) |      | Expon:              |         |
| F1         | Expon <sub>p</sub>         | Function (monadic) | Exponential pdf          | Exponential probability density function                                                     | Probability (real) |      | Expon <sub>p</sub>  |         |
| F2         |                            |                    |                          |                                                                                              |                    |      |                     |         |
| F3         | Expon <sub>Δ</sub>         | Function (monadic) | Exponential cdf (lower)  | Exponential cumulative distribution (lower tail)                                             | Probability (real) |      | Expon <sub>Δ</sub>  |         |
| F4         | Expon <sub>Δ</sub>         | Function (monadic) | Exponential cdf (upper)  | Exponential cumulative distribution (upper tail)                                             | Probability (real) |      | Expon <sub>Δ</sub>  |         |
| F5         |                            |                    |                          |                                                                                              |                    |      |                     |         |
| F6         | Expon <sup>-1</sup>        | Function (monadic) | Exponential qf (inverse) | Exponential inverse cumulative distribution (quantile)                                       | Probability (real) |      | Expon <sup>-1</sup> |         |
| fF1        |                            |                    |                          |                                                                                              |                    |      |                     |         |
| fF2        |                            |                    |                          |                                                                                              |                    |      |                     |         |
| fF3        |                            |                    |                          |                                                                                              |                    |      |                     |         |
| fF4        |                            |                    |                          |                                                                                              |                    |      |                     |         |
| fF5        |                            |                    |                          |                                                                                              |                    |      |                     |         |
| fF6        |                            |                    |                          |                                                                                              |                    |      |                     |         |
| gF1        | STO <sub>R</sub> $\lambda$ | Command            | Store $\lambda$ in R     | Store parameter $\lambda$ : rate parameter in register R ; Split screen : RegR = $\lambda$ = | Probability (real) |      |                     |         |
| gF2        |                            |                    |                          |                                                                                              |                    |      |                     |         |
| gF3        |                            |                    |                          |                                                                                              |                    |      |                     |         |
| gF4        |                            |                    |                          |                                                                                              |                    |      |                     |         |
| gF5        |                            |                    |                          |                                                                                              |                    |      |                     |         |
| gF6        |                            |                    |                          |                                                                                              |                    |      |                     |         |