Xperia Twilight

Level 5½ (Nivel (5½)

**Formations**

t1+t2+...

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **\*** | **/** | **^2** | | **^3** | **n^x** | **√** | **log** |
| **~(0)** | 0 |  | 0 | | 0 | 1 | 0 |  |
| **~(1)** | a | a | 1 | | 1 | n | 1 | 0 |
| **~(a+b)** | ac+bc | a/c+b/c | a²+2ab+b² | | a³+3a²b+3ab²+b³ | na\*nb | -- | -- |
| **~(a-b)** | ac-bc | a/c-b/c | a²-2ab+b² | | a³-3a²b+3ab²-b³ | na/nb | -- | -- |
| **~(a\*b)** | a\*b\*c | b\*a/c | an\*bn | | | (na)b | √a\*√b | log(a)+log(b) |
| **~(a/b)** | (a\*c)/b | a/(bc) | an/bn | | | b√(na) | √a/√b | log(a)-log(b) |
| **~a+ ~b** | (a+b)c | (a+b)/c | (a+ib)(a-ib) | (a+b)(a²-ab+b²) | | -- | -- | log(a\*b) |
| **~a - ~b** | (a-b)c | (a-b)/c | (a+b)(a-b) | (a-b)(a²+ab+b²) | | -- | -- | log(a/b) |
| **~a\* ~b** | (ab)c | ac/bd | (a\*b)n | | | n(a+b) | √(a\*b) | -- |
| **~a / ~b** | (a/b)c | ad/bc | (a/b)n | | | n(a-b) | √(a\*b) | logb(a) |

**Calculus and functional processing operator**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **a’** | **∫a** | **~~** | **Σ** |
| **0** | 0 | n |  |  |
| **1** | 0 | X |  |  |
| **x** | 1 | ½x² | 1 | ½x² + ½x |
| **xn** | nx(n-1) | 1/(n+1) x(n-1) |  |  |
| **ax** | ax\*ln(a) | ax / ln(a) |  |  |

**Cartesian Valve**

|  |  |
| --- | --- |
| 11 | 12 |
| **.constructor** | sides: a²+b²=c, angles: 90, 90-α, α |
| **△** | △ABC, AB = AC, ∠B = ∠C |
| **~** | 2 side relate, 1α |
| **≅** | 2 sides, 1α+1s |

**Cartesian applications**

**Rei Valve Probability**

|  |  |  |
| --- | --- | --- |
|  | **Propability (P)** | **Expectation (E)** |
| **.constructor** | some/total | value\*propability |
| **.toGraph** |  |  |
| **Σx²** | x²1+x²2+...x²n |  |
| **Σx** | x1+x2+...xn |  |
| **n** | n |  |
| **/x** | Σx/n |  |
|  |  |  |
| **~a+~b** | a..+b.. : c |  |
| **~a+~b** | a..-b.. : c |  |

**Port of Rayan**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Electromechanical** | **Waves** | **Thermodynamics** |
| **.constructor** | m(mass), q(Electric Charge) |  |  |
| **.energy (E)** | F\*l\*cos(α) = ½mv² = mgh |  | Q(temp), s(status) |
| **.power (P)** | E/t = I\*V = I²R = V²R |  |  |
| **.force** | m\*a |  |  |
| **.2force** | F1 + F2, F1\*l1 = F2\*l2 |  |  |
| **.move** | ΔvΔt, ∫∫a Δt + ∫v Δt (½at²+vt) | v\*t = t/f |  |
| **.2move** | v1+v2, a1+a2  V = v1+v2, V = v1-v2 | V=v1+v2, V =v1-v2 |  |
| **.flow** | U = IR |  |  |
| **.flow(series)** | U = U1+U2  I = I1=I2=I3  R = R1+R2 |  |  |
| **.flow(paral.)** | U = U1+U2  I = I1=I2=I3  R = R1+R2 |  |  |
| **.reflect** | (m, 2β-α), ∠i = ∠u | ∠i = ∠u |  |
| **.flowReflect** |  | F /  2F b |  |
| **.refract** | ∠i = ∠u -> ∠b | ∠i = ∠u -> ∠b |  |
| **.flowRefract** |  | F /  2F b |  |
| **.differact** |  |  |  |
| **.interference** |  |  |  |
| **.impulse** | F\*Δt = m\*Δv |  |  |
| **.2object m1’** | (2m2v2+(m1-m2)v1)/(m1+m2) |  |  |
| **.2object m2’** | (2m1v1+(m2-m1)v2)/(m1+m2) |  |  |

**Frijo expansion**

**Carbon (C)**

|  |  |
| --- | --- |
| **(1)-δ1 H-C-H, δ3** | 1-1-1.. |
| **(1)-δ1½ O=C** | 1½-1½.. |
| **(2)-δ4 2H-C-2H** | 1-2, 1½-2, 2-2 |
| **(2)-δ4½ O=C-2H** | 2-2 |
| **(2)-δ5 N≡C-H** |  |
| **(2)-δ5½ O=C=O** |  |
| **(3)-δ6 H-C≡C-H** |  |
|  |  |

**Nitrogen (N)**

|  |  |
| --- | --- |
| **(1)-δ1 (N-H)** | 1-1-1 |
| **(2)-δ2 (H-N=N-H)** |  |
| **(3)-δ3 (O=N-N=O)** |  |

**Oxygen (O)**

|  |  |
| --- | --- |
| **(1)-δ1(H-O-H, Cl-O-Cl)** |  |

**Puerta de Neo Pistea**

DNA – Structure

Biology force

Life-sustaining functions

Reproduction