Red: 200x200 px

Blue: 100x100px

Green: 50x50px

Screen: 800x450px

Blue is child of red and green is child of blue

Topleft corner

|  |  |  |
| --- | --- | --- |
| Pos: | 0,0 |  |
| Ptype: | abs |
| Anch | 0,0 |
| Stype | loc |
| w | 0 |
| h | 0 |
| gw | 0 |
| gh | 0 |

Center

|  |  |  |
| --- | --- | --- |
| Pos: | 0.5,0.5 |  |
| Ptype: | absper |
| Anch | 0,0 |
| Stype | loc |
| w | 0 |
| h | 0 |
| gw | 0 |
| gh | 0 |

Center centered

|  |  |  |
| --- | --- | --- |
| Pos: | 0.5,0.5 |  |
| Ptype: | absper |
| Anch | 0.5,0.5 |
| Stype | loc |
| w | 0 |
| h | 0 |
| gw | 0 |
| gh | 0 |

Scaled centered

|  |  |  |
| --- | --- | --- |
| Pos: | 0.5,0.5 |  |
| Ptype: | absper |
| Anch | 0.5,0.5 |
| Stype | loc |
| w | 2 |
| h | 2 |
| gw | 0 |
| gh | 0 |

Grid

|  |  |  |
| --- | --- | --- |
| Pos: | 100,50 |  |
| Ptype: | grid |
| Anch | 1.0,1.0 |
| Stype | loc |
| w | 2 |
| h | 2 |
| gw | 100 |
| gh | 50 |

Child topleft

|  |  |  |  |
| --- | --- | --- | --- |
| Pos: | 0,0 | 0,0 |  |
| Ptype: | loc | loc |
| Anch | 0,0 | 0,0 |
| Stype | loc | loc |
| w | 1 | 1 |
| h | 1 | 1 |
| gw | 0 | 0 |
| gh | 0 | 0 |

Child bottomright absolute

|  |  |  |  |
| --- | --- | --- | --- |
| Pos: | 0,0 | 200,200 |  |
| Ptype: | loc | abs |
| Anch | 0,0 | 0,0 |
| Stype | loc | loc |
| w | 1 | 1 |
| h | 1 | 1 |
| gw | 0 | 0 |
| gh | 0 | 0 |

Child bottomright percentage

|  |  |  |  |
| --- | --- | --- | --- |
| Pos: | 0,0 | 1,1 |  |
| Ptype: | loc | per |
| Anch | 0,0 | 0,0 |
| Stype | loc | loc |
| w | 1 | 1 |
| h | 1 | 1 |
| gw | 0 | 0 |
| gh | 0 | 0 |

Child center

|  |  |  |  |
| --- | --- | --- | --- |
| Pos: | 0,0 | 0.5, 0.5 |  |
| Ptype: | per | per |
| Anch | 0,0 | 0,0 |
| Stype | loc | loc |
| w | 2 | 1 |
| h | 2 | 1 |
| gw | 0 | 0 |
| gh | 0 | 0 |

Child center absper

|  |  |  |  |
| --- | --- | --- | --- |
| Pos: | 0,0 | 0.5, 0.5 |  |
| Ptype: | per | absper |
| Anch | 0,0 | 0,0 |
| Stype | loc | loc |
| w | 2 | 1 |
| h | 2 | 1 |
| gw | 0 | 0 |
| gh | 0 | 0 |

Child bottomright local

|  |  |  |  |
| --- | --- | --- | --- |
| Pos: | 0,0 | 200,200 |  |
| Ptype: | per | loc |
| Anch | 0,0 | 0,0 |
| Stype | loc | loc |
| w | 2 | 1 |
| h | 2 | 1 |
| gw | 0 | 0 |
| gh | 0 | 0 |

Child bottomright scaled local

|  |  |  |  |
| --- | --- | --- | --- |
| Pos: | 0,0 | 200,200 |  |
| Ptype: | per | loc |
| Anch | 0,0 | 0,0 |
| Stype | loc | loc |
| w | 2 | 2 |
| h | 2 | 2 |
| gw | 0 | 0 |
| gh | 0 | 0 |

Three topleft

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Pos: | 0,0 | 0,0 | 0,0 |  |
| Ptype: | loc | loc | loc |
| Anch | 0,0 | 0,0 | 0,0 |
| Stype | loc | loc | loc |
| w | 1 | 1 | 1 |
| h | 1 | 1 | 1 |
| gw | 0 | 0 | 0 |
| gh | 0 | 0 | 0 |

Three right-bottom percentage

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Pos: | 0,0 | 1,0 | 0,1 |  |
| Ptype: | per | per | per |
| Anch | 0,0 | 0,0 | 0,0 |
| Stype | loc | loc | loc |
| w | 1 | 2 | 2 |
| h | 1 | 2 | 2 |
| gw | 0 | 0 | 0 |
| gh | 0 | 0 | 0 |

Third centered absper

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Pos: | 0,0 | 1,0 | 0.5,0.5 |  |
| Ptype: | per | per | absper |
| Anch | 0,0 | 0,0 | 0.5,0.5 |
| Stype | loc | loc | loc |
| w | 1 | 2 | 2 |
| h | 1 | 2 | 2 |
| gw | 0 | 0 | 0 |
| gh | 0 | 0 | 0 |

Bottomright for each next per/per

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Pos: | 0,0 | 1,1 | 1,1 |  |
| Ptype: | per | per | per |
| Anch | 0 | 0 | 0 |
| Stype | loc | per | per |
| w | 1 | 1 | 1 |
| h | 1 | 1 | 1 |
| gw | 0 | 0 | 0 |
| gh | 0 | 0 | 0 |

Bottomright for each next per/absper

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Pos: | 0,0 | 1,1 | 1,1 |  |
| Ptype: | per | per | per |
| Anch | 0 | 0 | 0 |
| Stype | absper | absper | absper |
| w | 0.25 | 0.25 | 0.25 |
| h | x | x | x |
| gw | 0 | 0 | 0 |
| gh | 0 | 0 | 0 |

Bottomright for each next per/abs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Pos: | 0,0 | 1,1 | 1,1 |  |
| Ptype: | per | per | per |
| Anch | 0 | 0 | 0 |
| Stype | abs | abs | abs |
| w | 1 | 2 | 4 |
| h | 1 | 2 | 4 |
| gw | 0 | 0 | 0 |
| gh | 0 | 0 | 0 |

Relative rotation center

|  |  |  |  |
| --- | --- | --- | --- |
| Pos: | 0.5,0.5 | 0 |  |
| Ptype: | absper | per |
| Anch | 0.5 | 0 |
| Stype | loc | loc |
| w | 1 | 1 |
| h | 1 | 1 |
| rot | 0 | 45 |
| rot\_or | 0.5 | 0.5 |

Relative rotation topleft

|  |  |  |  |
| --- | --- | --- | --- |
| Pos: | 0.5,0.5 | 0 |  |
| Ptype: | absper | per |
| Anch | 0.5 | 0 |
| Stype | loc | loc |
| w | 1 | 1 |
| h | 1 | 1 |
| rot | 0 | 45 |
| rot\_or | 0 | 0 |

Relative rotation double

|  |  |  |  |
| --- | --- | --- | --- |
| Pos: | 0.5,0.5 | 0.25 |  |
| Ptype: | absper | per |
| Anch | 0.5 | 0.5 |
| Stype | loc | loc |
| w | 1 | 0.5 |
| h | 1 | 0.5 |
| rot | 45 | 45 |
| rot\_or | 0.5 | 0.5 |

Relative rotation double topleft

|  |  |  |  |
| --- | --- | --- | --- |
| Pos: | 0.5,0.5 | 0.25 |  |
| Ptype: | absper | per |
| Anch | 0.5 | 0.5 |
| Stype | loc | loc |
| w | 1 | 0.5 |
| h | 1 | 0.5 |
| rot | 45 | 45 |
| rot\_or | 0.5 | 0 |

Relative rotation triple bottomleft

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Pos: | 0.5,0.5 | 0,1 | 0,1 |  |
| Ptype: | absper | per | per |
| Anch | 0.5 | 0,1 | 0,1 |
| Stype | loc | loc | loc |
| w | 1 | 1 | 1 |
| h | 1 | 1 | 1 |
| rot | 10 | 10 | 10 |
| rot\_or | 1,0 | 1,0 | 1,0 |

Relative rotation triple bottomright

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Pos: | 0.5,0.5 | 1,1 | 1,1 |  |
| Ptype: | absper | per | per |
| Anch | 0.5 | 0 | 0 |
| Stype | loc | loc | loc |
| w | 1 | 0.5 | 0.5 |
| h | 1 | 0.5 | 0.5 |
| rot | 0 | -45 | -45 |
| rot\_or | 0 | 0 | 0 |