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| Parameter | Description |
| initial-group-count | The initial number of groups placed on the world at the start of the simulation. |
| initial-number-males | The initial number of males placed within each group at the start of the simulation. |
| initial-number-females | The initial number of females placed within each group at the start of the simulation. |
| patch-abundance |  |
| patch-patchiness |  |
| patch-growth-rate |  |
| patch-max-energy |  |
| play-alarm-calls? | Set to ON if primates make alarm calls when they see a predator. These alarm calls affect the decisions made by neighboring primates when choosing where to move next |
| predation-rate | The rate at which new predators enter the world |
| predation-duration | About how long, in ticks, the predators stay once they enter the world |
| predation-cost | The energy cost to primates who encounter predators |
| max-energy | The maximum energy that a primate can have |
| birth-cost | The energy cost of giving birth |
| food-eaten-per-step | The energy gained by eating |
| energy-cost-per-step | The energy cost of living for another tick |
| aggression-cost | Energy lost from an aggressive act |
| ave-fighting-ability | How capable of fighting are the primates? |
| ave-intragroup-tolerance | How tolerant are primates of others in their group? |
| ave-intergroup-tolerance | How tolerant are primates of others not in their group? |
| female-female-tolerance | How tolerant are females of females? |
| female-male-tolerance | How tolerant are females of males? |
| male-male-tolerance | How tolerant are males of males? |
| male-female-tolerance | How tolerant are males of females? |
| perception-range | How far the primate can see, measured in cells |
| age-at-maturity | How many ticks a primate lives before it reaches maturity |
| life-expectancy | How many ticks a primate can live before it dies |
| female-transfer? | Set to ON if a female transfers to another group when she reaches maturity |
| male-transfer? | Set to ON if a male transfers to another group when he reaches maturity |
| home-weightedness | How much the primates are compelled to stay near their home range |
| food-weightedness | How much the primates care about finding food. |
| conspecific-weightedness | How much the primates worry about their proximity to other primates. |
| mate-weightedness | How much the primates are driven to find mates. |
| predation-weightedness | How much the primates are concerned about predators. |