

**metaheuristics.generators.
Generator**

- + countGender
- + countBetterGender
- + listCountBetterGender
- + generate()
- + updateReference()
- + getReference()
- + setInitialReference()
- + getType()
- + getReferenceList()
- + getSonList()
- + awardUpdateREF()
- + setWeight()
- + getWeight()
- + getTrace()
- + getListCountBetterGender()
- + getListCountGender()



**metaheuristics.generators.
Particle**

- statePBest
- stateActual
- velocity
- secureRandom
- + Particle()
- + Particle()
- + getVelocity()
- + setVelocity()
- + getStatePBest()
- + setStatePBest()
- + getStateActual()
- + setStateActual()
- + generate()
- + updateReference()
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- UpdateVelocity()
- UpdateCode()