EA072 — EFC 2 - Questão 03

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Algorithm 1: Algoritmo PSO

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for *particle* ← 1 **to** *numParticle* **do**

    initializaPosition(particle);

    initializeVelocity(particle);

end

for *iter* ← 1 **to** *iterations* **do**

    for *particle* ← 1 **to** *numParticle* **do**

        for *dim* ← **to***dims* **do**

            newVel();

            newPos();

            if *pos < 0* **then**

                pos = 1;

            end

            if *pos > 20* **then**

                pos = 20;

            end

            particle.pos = pos;

            particle.vel = vel;

        end

        particle.cost ← fitness(particle.pos);

        if *particle.cost > bestCost* **then**

            bestCost = particle.cost;

        end

        if *particle.bestCost > bestCostAll* **then**

            bestCostAll = particle.bestCost;

        end

    end

end

Este pseudocódigo foi pensando a partir de códigos já implementados.

https://www.youtube.com/watch?v=sB1n9a9yxJk