

File Browser Python_codes

- posdata_folder
- __pycache__
- 3ns.txt
- 4adjm.txt
- 4ns.txt
- 6adjm.txt
- 6adjm-classic.txt
- 6ns.txt
- BeautifiedGWO.py
- BeautifiedGWO1.py
- BeautifiedGWO2.py
- BeautifiedGWO3.py
- BeautifiedGWO4.py
- BeautifiedGWO5.py
- BeautifiedGWO6.py
- BeautifiedGWO7.py
- BeautifiedGWO8.py
- BeautifiedNitin.py
- BeautifiedNitin1.py
- BeautifiedNitin2.py
- clusteredcomputing (1).py
- ClusteredComputing.py
- clusteredcomputingGWO
- ClusteredComputinGWO1.py
- ez_domain_wall.py
- interaction.txt
- penalty.txt
- posdata.txt
- posdata0.txt
- posdata1.txt
- posdata2.txt
- posdata3.txt
- posdata4.txt
- posdata5.txt
- quantumrouting-example.cc
- quantumrouting-example-2python.cc
- quantumrouting-example-clustered.cc
- quantumrouting-example-simple.cc
- quantumrouting-fqst.cc
- SanityCplusplusCheck.py
- SolvBund.py
- SolveBundleCalls.py

BeautifiedGWO8.py x posdata0.txt

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601     x = theta_core_radius * math.cos(theta_core[i])
602     y = theta_core_radius * math.sin(theta_core[i])
603     theta_core_pos[0, i] = x
604     theta_core_pos[1, i] = y
605
606     segAmount = 6
607
608     # #####print('theta_core_pos is: ' + str(theta_core_pos))
609
610     routing_SOL = []
611     totaltime = 0
612     pos_matrix = []
613     adjacency_matrix_buff = []
614     destID = numpy.zeros(segAmount)
615     pos_matrix=numpy.zeros((aus_num*(max_graph_size+addon+1),2))
616     for i in range(segAmount):
617         ang = theta_bound[i]
618         (pos_matrix1, adjacency_matrix, ID) = segGraph(i, segAmount,
619             theta_core_pos, ang)
620         name = 'posdata' + str(i) + '.txt'
621         pos_matrix_temp = numpy.loadtxt(name)
622         col = [0, 0]
623         pos_matrix_temp = numpy.insert(pos_matrix_temp, 0, col, axis=1)
624         #print('pos_matrix_temp:'+str(pos_matrix_temp))
625         for j in range(max_graph_size+addon+1):
626             idx=i*(max_graph_size+addon+1)+j
627             pos_matrix[idx][0]=pos_matrix_temp[0][j]
628             pos_matrix[idx][1]=pos_matrix_temp[1][j]
629
630         adjacency_matrix_buff.append(copy.copy(adjacency_matrix))
631         destID[i] = ID
632
633     obsolete_idx = []
634
635     # destID=numpy.zeros(segAmount)
636     #pos_matrix=pos_matrix.transpose()
637     FND_flag = False
638     HND_flag = False
639     LND_flag=False
640     DeadRatio_1500R = False
641     DR_1500 = 0
642     seg_count = 0
643
644     LND_num_1 = 0
645
646     cl_buff = numpy.ones(aus_num * (max_graph_size+addon + 1)) * 60
647
648     run_flag = True
649
650     P = 0.2
651
652     round_limit = int(1 / P)
653     alpha = 1

```