matlabpool open local1 12

Starting matlabpool using the 'local1' configuration ... connected to 12 labs.

Best Mean Stall

Generation f-count f(x) f(x) Generations

1 200 4138 6168 0

2 300 4132 6236 0

3 400 4108 6576 0

4 500 4067 6723 0

5 600 4065 6248 0

6 700 4053 6361 0

7 800 4030 6510 0

8 900 4027 6448 0

9 1000 4027 6113 0

10 1100 4027 6384 1

11 1200 4006 6378 0

12 1300 4000 6572 0

13 1400 4000 6333 1

14 1500 4000 6154 0

15 1600 4000 6264 0

16 1700 4000 6289 0

17 1800 4000 6005 0

18 1900 4000 6057 0

19 2000 4000 6068 0

20 2100 4000 6106 0

21 2200 4000 6317 0

22 2300 4000 6247 0

23 2400 4000 5985 0

24 2500 4000 6075 0

25 2600 4000 6062 0

26 2700 4000 6123 0

27 2800 4000 6554 0

28 2900 4000 6026 1

29 3000 4000 6093 0

30 3100 4000 6546 0

31 3200 4000 5856 0

32 3300 4000 6189 0

33 3400 4000 6323 0

34 3500 4000 6156 0

35 3600 4000 6057 0

36 3700 4000 5777 0

37 3800 4000 5776 0

38 3900 4000 5774 0

39 4000 3999 6098 0

40 4100 3999 6218 0

41 4200 3999 5978 0

42 4300 3999 5898 0

43 4400 3999 5934 0

44 4500 3999 5959 0

45 4600 3999 5983 1

46 4700 3998 5787 0

47 4800 3998 5620 0

48 4900 3996 5333 0

49 5000 3996 5296 0

50 5100 3996 5602 1

51 5200 3996 5578 0

52 5300 3995 5367 0

53 5400 3995 5325 0

54 5500 3995 5375 1

55 5600 3994 5444 0

56 5700 3994 5360 1

57 5800 3994 5438 0

58 5900 3993 5345 0

59 6000 3993 5574 0

60 6100 3991 5249 0

61 6200 3991 5624 1

62 6300 3991 5682 0

63 6400 3989 5540 0

64 6500 3988 5895 0

65 6600 3981 5843 0

66 6700 3977 5944 0

67 6800 3977 5625 1

68 6900 3329 5350 0

69 7000 2619 5183 0

70 7100 1989 4898 0

71 7200 1989 4773 0

72 7300 1989 4637 0

73 7400 1988 4493 0

74 7500 1986 4408 0

75 7600 1982 4455 0

76 7700 1982 4053 1

77 7800 1980 4292 0

78 7900 1978 4011 0

79 8000 1978 4167 0

80 8100 1977 3907 0

81 8200 1973 3905 0

82 8300 1972 3973 0

83 8400 1970 4128 0

84 8500 1964 4193 0

85 8600 1964 3932 0

86 8700 1954 3641 0

87 8800 1954 3628 1

88 8900 1954 3458 0

89 9000 1954 3361 0

90 9100 1952 3226 0

91 9200 1951 3418 0

92 9300 1948 3224 0

93 9400 1945 3276 0

94 9500 1937 3315 0

95 9600 1937 3298 1

96 9700 1935 3219 0

97 9800 1923 3133 0

98 9900 1913 3084 0

99 10000 1905 2961 0

100 10100 1899 3190 0

101 10200 1899 3023 1

102 10300 1878 3059 0

103 10400 1878 2920 1

104 10500 1878 2843 0

105 10600 1877 2891 0

106 10700 1869 2944 0

107 10800 1864 3202 0

108 10900 1864 3133 1

109 11000 1864 2929 0

110 11100 1847 2930 0

111 11200 1847 2702 1

112 11300 1825 2803 0

113 11400 1822 2589 0

114 11500 1822 2531 1

115 11600 1804 2759 0

116 11700 1796 2735 0

117 11800 1779 2584 0

118 11900 1753 2778 0

119 12000 1753 2667 1

120 12100 1734 2722 0

121 12200 1727 2656 0

122 12300 1727 2794 1

123 12400 1716 2476 0

124 12500 1649 2434 0

125 12600 1649 2436 1

126 12700 1649 2346 2

127 12800 1649 2401 3

128 12900 1649 2496 0

129 13000 1646 2337 0

130 13100 1611 2228 0

131 13200 1608 2311 0

132 13300 1608 2318 1

133 13400 1558 2266 0

134 13500 1558 2337 1

135 13600 1494 2318 0

136 13700 1494 2193 1

137 13800 1493 2195 0

138 13900 1445 2195 0

139 14000 1442 2033 0

140 14100 1418 2081 0

141 14200 1418 2241 0

142 14300 1412 2052 0

143 14400 1381 2019 0

144 14500 1381 1958 1

145 14600 1375 1976 0

146 14700 1358 2001 0

147 14800 1355 1900 0

148 14900 1307 2051 0

149 15000 1263 1895 0

150 15100 1263 1954 0

151 15200 1259 1744 0

152 15300 1259 1797 1

153 15400 1192 1848 0

154 15500 1192 1786 0

155 15600 1191 1674 0

156 15700 1184 1560 0

157 15800 1146 1561 0

158 15900 1115 1554 0

159 16000 1096 1505 0

160 16100 1057 1481 0

161 16200 1057 1460 1

162 16300 1057 1476 2

163 16400 1041 1392 0

164 16500 997.9 1303 0

165 16600 997.9 1319 1

166 16700 933.5 1315 0

167 16800 902.8 1319 0

168 16900 902.8 1322 0

169 17000 862.3 1244 0

170 17100 858.5 1228 0

171 17200 836.4 1248 0

172 17300 802.9 1178 0

173 17400 712.6 1091 0

174 17500 712.6 997.9 1

175 17600 698.8 1013 0

176 17700 690.2 958.7 0

177 17800 684.7 948.8 0

178 17900 682.7 939.8 0

179 18000 680.8 925.8 0

180 18100 679.7 893 0

181 18200 679.7 869.1 0

182 18300 679.7 887.1 1

183 18400 678 888.9 0

184 18500 623.2 832.5 0

185 18600 602.9 822.6 0

186 18700 545.4 804.3 0

187 18800 544.3 761.8 0

188 18900 544.3 757.8 1

189 19000 544.3 737.9 2

190 19100 544 702 0

191 19200 543.8 658.7 0

192 19300 543.8 623 1

193 19400 529.2 606.4 0

194 19500 529.2 609.1 1

195 19600 511.6 595.9 0

196 19700 502.5 586 0

197 19800 496.9 573.2 0

198 19900 494.3 557 0

199 20000 494.1 544.1 0

200 20100 493.9 533.1 0

Optimization terminated: maximum number of generations exceeded.

Switching to the hybrid optimization algorithm (FMINSEARCH).

Iteration Func-count min f(x) Procedure

0 1 493.851

1 11 493.851 initial simplex

2 13 426.131 expand

3 14 426.131 reflect

4 16 426.131 contract outside

5 18 426.131 contract inside

6 20 426.131 contract outside

7 22 426.131 contract inside

8 23 426.131 reflect

9 24 426.131 reflect

10 25 426.131 reflect

11 26 426.131 reflect

12 27 426.131 reflect

13 28 426.131 reflect

14 30 426.131 contract inside

15 31 426.131 reflect

16 33 394.944 expand

17 35 336.904 expand

18 36 336.904 reflect

19 38 261.686 expand

20 39 261.686 reflect

21 40 261.686 reflect

22 41 261.686 reflect

23 42 261.686 reflect

24 43 261.686 reflect

25 44 261.686 reflect

26 46 158.036 expand

27 47 158.036 reflect

28 48 158.036 reflect

29 49 158.036 reflect

30 50 158.036 reflect

31 52 158.036 contract inside

32 54 112.567 expand

33 55 112.567 reflect

34 56 112.567 reflect

35 57 112.567 reflect

36 58 112.567 reflect

37 59 112.567 reflect

38 60 112.567 reflect

39 62 61.6964 reflect

40 63 61.6964 reflect

41 64 61.6964 reflect

42 65 61.6964 reflect

43 66 61.6964 reflect

44 68 1.26806 expand

45 70 1.26806 contract inside

46 71 1.26806 reflect

47 72 1.26806 reflect

48 74 1.26806 contract inside

49 76 1.26806 contract inside

50 77 1.26806 reflect

51 78 1.26806 reflect

52 79 1.26806 reflect

53 81 1.26806 contract inside

54 83 1.26806 contract inside

55 85 1.26806 contract inside

56 87 1.26806 contract inside

57 89 1.26806 contract inside

58 90 1.26806 reflect

59 92 1.26806 contract inside

60 94 1.26806 contract inside

61 96 1.26806 contract outside

62 98 1.26806 contract inside

63 100 1.26806 contract inside

64 102 1.26806 contract inside

65 104 1.26806 contract inside

66 106 1.26806 contract inside

67 108 1.26806 contract outside

68 110 1.26806 contract inside

69 112 1.26806 contract inside

70 114 1.26806 contract inside

71 116 1.26806 contract inside

72 118 1.26806 contract inside

73 120 1.26806 contract inside

74 122 1.26806 contract inside

75 123 1.26806 reflect

76 125 1.26806 contract inside

77 127 1.26806 contract inside

78 129 1.26806 contract inside

79 131 1.26806 contract inside

80 133 1.26806 contract inside

81 135 1.26806 contract inside

82 137 1.26806 contract inside

83 138 1.26806 reflect

84 139 1.26806 reflect

85 141 1.26806 contract inside

86 143 1.26806 contract inside

87 144 1.26806 reflect

88 146 1.26806 contract inside

89 148 1.26806 contract inside

90 150 1.26806 contract inside

91 152 1.26806 contract inside

92 154 1.25265 contract inside

93 156 1.25265 contract inside

94 158 1.18175 contract inside

95 160 1.18175 contract inside

96 162 1.18175 contract outside

97 163 1.18175 reflect

98 165 0.998509 contract inside

99 167 0.678231 contract inside

100 169 0.599848 contract inside

101 171 0.599848 contract inside

102 173 0.599848 contract inside

103 175 0.480696 contract inside

104 176 0.480696 reflect

105 178 0.310799 contract inside

106 190 0.24999 shrink

107 192 0.24999 contract inside

108 194 0.24999 contract inside

109 195 0.24999 reflect

110 197 0.24999 contract inside

111 199 0.24999 contract inside

112 201 0.24999 contract inside

113 203 0.204178 contract inside

114 205 0.181134 contract inside

115 207 0.130094 contract inside

116 209 0.130094 contract inside

117 210 0.130094 reflect

118 212 0.130094 contract inside

119 214 0.124754 contract inside

120 216 0.124754 contract inside

121 218 0.124754 contract inside

122 220 0.11932 contract inside

123 222 0.11932 contract inside

124 224 0.11932 contract inside

125 226 0.11176 contract inside

126 228 0.103157 contract outside

127 230 0.0760438 contract inside

128 232 0.0741429 contract outside

129 234 0.0703952 contract inside

130 236 0.066922 contract inside

131 238 0.0594527 contract inside

132 239 0.0594527 reflect

133 241 0.0594527 contract inside

134 243 0.0594527 contract inside

135 245 0.055499 contract inside

136 247 0.0493121 contract inside

137 248 0.0493121 reflect

138 250 0.0448212 contract inside

139 252 0.0448212 contract outside

140 254 0.0329994 contract inside

141 256 0.0297755 contract inside

142 257 0.0297755 reflect

143 259 0.0297755 contract inside

144 261 0.0297755 contract inside

145 263 0.028996 contract inside

146 265 0.028996 contract outside

147 267 0.028996 contract inside

148 269 0.0247504 contract inside

149 271 0.0247504 contract outside

150 273 0.024011 contract inside

151 275 0.0210888 contract inside

152 277 0.014771 contract inside

153 278 0.014771 reflect

154 280 0.0146127 contract inside

155 281 0.0146127 reflect

156 283 0.0137143 contract inside

157 284 0.0137143 reflect

158 286 0.0137143 contract inside

159 288 0.0137143 contract inside

160 290 0.0137143 contract inside

161 292 0.0136874 contract inside

162 294 0.0129494 contract inside

163 296 0.0118334 contract inside

164 298 0.0108245 contract inside

165 300 0.0100276 contract outside

166 302 0.00766771 contract inside

167 304 0.00711154 contract inside

168 306 0.00669895 contract inside

169 307 0.00669895 reflect

170 309 0.00669895 contract inside

171 311 0.00669895 contract inside

172 313 0.00669895 contract inside

173 315 0.00669895 contract inside

174 317 0.00645669 contract inside

175 319 0.00641495 contract inside

176 321 0.0056849 contract inside

177 323 0.00507618 contract inside

178 324 0.00507618 reflect

179 326 0.00402217 contract inside

180 328 0.00375008 contract inside

181 329 0.00375008 reflect

182 331 0.00375008 contract inside

183 333 0.00375008 contract inside

184 335 0.00375008 contract inside

185 337 0.00375008 contract inside

186 339 0.00375008 contract inside

187 341 0.00369952 contract inside

188 343 0.00369952 contract inside

189 345 0.00338322 contract inside

190 347 0.00299578 contract inside

191 348 0.00299578 reflect

192 350 0.0025936 contract inside

193 352 0.0024934 contract inside

194 353 0.0024934 reflect

195 355 0.0024934 contract inside

196 357 0.0024934 contract inside

197 359 0.00248083 contract inside

198 361 0.00241531 contract inside

199 362 0.00241531 reflect

200 364 0.00241531 contract inside

201 366 0.00237127 contract inside

202 367 0.00237127 reflect

203 369 0.00230242 contract inside

204 371 0.00230242 contract inside

205 373 0.00211897 contract inside

206 374 0.00211897 reflect

207 376 0.0019414 contract inside

208 378 0.0019414 contract outside

209 380 0.00191702 contract inside

210 382 0.00191702 contract inside

211 384 0.00190583 contract inside

212 386 0.00190583 contract inside

213 388 0.00187235 contract inside

214 390 0.00187235 contract outside

215 392 0.00184291 contract inside

216 394 0.00184291 contract outside

217 396 0.0017419 contract inside

218 397 0.0017419 reflect

219 399 0.00168333 contract inside

220 401 0.001659 contract inside

221 403 0.00164052 contract inside

222 404 0.00164052 reflect

223 406 0.00164052 contract inside

224 408 0.00164052 contract inside

225 410 0.00164052 contract inside

226 412 0.00164052 contract inside

227 414 0.00163919 contract inside

228 416 0.00163919 contract outside

229 418 0.00161051 contract inside

230 420 0.00159997 contract outside

231 422 0.00156 contract inside

232 424 0.00156 contract outside

233 426 0.00155487 contract inside

234 428 0.00155487 contract outside

235 430 0.00155487 contract inside

236 432 0.00155279 contract inside

237 434 0.00154282 contract inside

238 435 0.00154282 reflect

239 437 0.00154282 contract inside

240 439 0.00154282 contract inside

241 441 0.00153313 contract inside

242 443 0.00152451 contract inside

243 445 0.00151783 contract outside

244 447 0.00151376 contract inside

245 449 0.00150981 contract inside

246 451 0.00150953 contract inside

247 453 0.00150573 contract inside

248 455 0.00150573 contract inside

249 457 0.00150573 contract inside

250 459 0.00150147 contract inside

251 461 0.00149774 contract inside

252 462 0.00149774 reflect

253 464 0.00149243 contract inside

254 466 0.00149243 contract inside

255 468 0.00148927 contract inside

256 470 0.00148602 contract inside

257 471 0.00148602 reflect

258 473 0.00148602 contract inside

259 475 0.00148602 contract inside

260 477 0.00148417 contract inside

261 479 0.00148417 contract inside

262 481 0.00148417 contract inside

263 483 0.00148286 contract inside

264 485 0.00148025 contract inside

265 487 0.00147798 contract inside

266 488 0.00147798 reflect

267 490 0.00147705 contract inside

268 492 0.00147705 contract inside

269 494 0.00147585 contract inside

270 496 0.00147585 contract inside

271 498 0.00147553 contract inside

272 500 0.00147495 contract inside

273 502 0.00147377 contract inside

274 503 0.00147377 reflect

275 505 0.00147377 contract inside

276 507 0.00147341 contract inside

277 509 0.00147313 contract inside

278 511 0.00147175 contract inside

279 513 0.00147109 contract inside

280 514 0.00147109 reflect

281 516 0.00147109 contract inside

282 518 0.00147109 contract inside

283 520 0.00147101 contract inside

284 522 0.00147101 contract inside

285 524 0.00147054 contract inside

286 526 0.00147054 contract inside

287 528 0.00146998 contract inside

288 530 0.00146962 contract inside

289 532 0.00146957 contract outside

290 534 0.00146921 contract inside

291 536 0.00146891 contract inside

292 538 0.00146891 contract inside

293 540 0.00146877 contract inside

294 541 0.00146877 reflect

295 543 0.00146877 contract inside

296 545 0.00146877 contract inside

297 547 0.00146864 contract inside

298 549 0.00146864 contract inside

299 551 0.0014684 contract inside

300 553 0.00146816 contract inside

301 555 0.00146806 contract inside

302 556 0.00146806 reflect

303 558 0.00146798 contract inside

304 560 0.00146798 contract inside

305 562 0.00146789 contract inside

306 564 0.00146784 contract inside

307 566 0.00146784 contract outside

308 568 0.00146784 contract inside

309 570 0.00146783 contract inside

310 572 0.0014678 contract inside

311 574 0.00146767 contract inside

312 576 0.00146753 contract inside

313 578 0.00146745 contract inside

314 579 0.00146745 reflect

315 581 0.00146745 contract inside

316 583 0.00146745 contract inside

317 585 0.00146744 contract inside

318 587 0.0014674 contract inside

319 589 0.00146737 contract inside

320 590 0.00146737 reflect

321 592 0.00146737 contract inside

322 594 0.00146737 contract inside

323 596 0.00146737 contract inside

324 598 0.00146733 contract inside

325 600 0.00146725 contract inside

326 601 0.00146725 reflect

327 603 0.00146725 contract inside

328 605 0.00146724 contract inside

329 607 0.00146722 contract inside

330 609 0.00146722 contract inside

331 611 0.00146722 contract inside

332 613 0.00146721 contract inside

333 615 0.00146721 contract inside

334 617 0.0014672 contract inside

335 619 0.00146719 contract inside

336 621 0.00146718 contract outside

337 623 0.00146714 contract inside

338 625 0.00146714 contract inside

339 627 0.00146714 contract outside

340 629 0.00146714 contract inside

341 631 0.00146714 contract inside

342 633 0.00146713 contract inside

343 635 0.00146712 contract inside

344 637 0.00146712 contract inside

345 639 0.00146712 contract inside

346 641 0.00146711 contract inside

347 643 0.00146711 contract inside

348 644 0.00146711 reflect

349 646 0.00146709 contract inside

350 648 0.00146709 contract inside

351 650 0.00146709 contract inside

352 651 0.00146709 reflect

353 653 0.00146709 contract inside

354 655 0.00146709 contract inside

355 657 0.00146709 contract inside

356 659 0.00146709 contract inside

357 661 0.00146709 contract inside

358 663 0.00146709 contract inside

359 665 0.00146708 contract inside

360 667 0.00146708 contract inside

361 668 0.00146708 reflect

362 670 0.00146707 contract inside

363 672 0.00146707 contract inside

364 674 0.00146707 contract inside

365 676 0.00146707 contract inside

366 678 0.00146707 contract inside

367 680 0.00146707 contract inside

368 682 0.00146707 contract inside

369 684 0.00146707 contract inside

370 685 0.00146707 reflect

371 687 0.00146707 contract inside

372 689 0.00146707 contract inside

373 691 0.00146706 contract inside

374 693 0.00146706 contract inside

375 695 0.00146706 contract inside

376 697 0.00146706 contract inside

377 698 0.00146706 reflect

378 700 0.00146706 contract inside

379 702 0.00146706 contract inside

380 704 0.00146706 contract inside

381 706 0.00146706 contract inside

382 708 0.00146706 contract inside

383 709 0.00146706 reflect

384 711 0.00146706 contract inside

385 713 0.00146706 contract inside

386 715 0.00146706 contract inside

387 717 0.00146706 contract inside

388 719 0.00146706 contract inside

389 721 0.00146706 contract inside

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392 727 0.00146706 contract inside

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397 737 0.00146706 contract outside

398 739 0.00146706 contract inside

399 741 0.00146706 contract inside

400 743 0.00146706 contract inside

401 745 0.00146706 contract inside

402 747 0.00146706 contract inside

403 749 0.00146706 contract inside

404 750 0.00146706 reflect

405 752 0.00146706 contract inside

406 754 0.00146706 contract inside

407 756 0.00146706 contract inside

408 758 0.00146706 contract inside

409 760 0.00146706 contract inside

410 762 0.00146706 contract inside

411 763 0.00146706 reflect

412 765 0.00146706 contract inside

413 767 0.00146706 contract inside

414 769 0.00146705 contract inside

415 771 0.00146705 contract inside

416 773 0.00146705 contract inside

417 774 0.00146705 reflect

418 776 0.00146705 contract inside

419 778 0.00146705 contract inside

420 780 0.00146705 contract inside

421 782 0.00146705 contract inside

422 784 0.00146705 contract inside

423 786 0.00146705 contract inside

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425 790 0.00146705 contract inside

426 792 0.00146705 contract outside

427 794 0.00146705 contract inside

428 796 0.00146705 contract inside

429 798 0.00146705 contract inside

430 800 0.00146705 contract inside

431 801 0.00146705 reflect

432 803 0.00146705 contract inside

433 805 0.00146705 contract inside

434 807 0.00146705 contract inside

435 809 0.00146705 contract inside

436 811 0.00146705 contract inside

437 813 0.00146705 contract inside

438 814 0.00146705 reflect

439 816 0.00146705 contract inside

440 818 0.00146705 contract inside

441 820 0.00146705 contract inside

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449 836 0.00146705 contract inside

450 838 0.00146705 contract inside

451 839 0.00146705 reflect

452 841 0.00146705 contract inside

453 843 0.00146705 contract inside

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457 851 0.00146705 contract inside

458 853 0.00146705 contract inside

459 854 0.00146705 reflect

460 856 0.00146705 contract inside

461 858 0.00146705 contract inside

462 860 0.00146705 contract inside

463 862 0.00146705 contract inside

464 864 0.00146705 contract inside

465 865 0.00146705 reflect

466 867 0.00146705 contract inside

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470 875 0.00146705 contract inside

471 877 0.00146705 contract inside

472 879 0.00146705 contract inside

473 881 0.00146705 contract inside

474 883 0.00146705 reflect

475 884 0.00146705 reflect

476 885 0.00146705 reflect

477 887 0.00146705 contract inside

478 889 0.00146705 contract inside

479 891 0.00146705 contract inside

480 892 0.00146705 reflect

481 894 0.00146705 contract inside

482 895 0.00146705 reflect

483 897 0.00146705 contract inside

484 899 0.00146705 contract inside

485 901 0.00146705 contract inside

486 903 0.00146705 contract outside

487 905 0.00146705 contract inside

488 907 0.00146705 contract outside

489 909 0.00146705 contract inside

490 910 0.00146705 reflect

491 912 0.00146705 contract inside

492 914 0.00146705 contract inside

493 915 0.00146705 reflect

494 916 0.00146705 reflect

495 917 0.00146705 reflect

496 918 0.00146705 reflect

497 920 0.00146705 contract inside

498 922 0.00146705 contract inside

499 924 0.00146705 contract inside

500 925 0.00146705 reflect

501 927 0.00146705 contract inside

502 928 0.00146705 reflect

503 930 0.00146705 contract inside

504 932 0.00146705 reflect

505 934 0.00146705 contract inside

506 936 0.00146705 contract inside

507 938 0.00146705 contract inside

508 939 0.00146705 reflect

509 940 0.00146705 reflect

510 942 0.00146705 contract inside

511 943 0.00146705 reflect

512 945 0.00146705 contract inside

513 946 0.00146705 reflect

514 947 0.00146705 reflect

515 948 0.00146705 reflect

516 950 0.00146705 contract inside

517 951 0.00146705 reflect

518 953 0.00146705 reflect

519 955 0.00146705 contract inside

520 957 0.00146705 contract inside

521 959 0.00146705 expand

522 960 0.00146705 reflect

523 961 0.00146705 reflect

524 962 0.00146705 reflect

525 963 0.00146705 reflect

526 965 0.00146705 reflect

527 967 0.00146705 reflect

528 969 0.00146705 contract inside

529 970 0.00146705 reflect

530 972 0.00146705 expand

531 974 0.00146705 contract inside

532 975 0.00146705 reflect

533 976 0.00146705 reflect

534 977 0.00146705 reflect

535 978 0.00146705 reflect

536 980 0.00146705 expand

537 982 0.00146705 contract inside

538 983 0.00146705 reflect

539 984 0.00146705 reflect

540 985 0.00146705 reflect

541 987 0.00146705 contract inside

542 989 0.00146705 contract inside

543 990 0.00146705 reflect

544 992 0.00146705 contract inside

545 993 0.00146705 reflect

546 995 0.00146705 contract inside

547 997 0.00146705 contract inside

548 999 0.00146705 contract inside

549 1001 0.00146705 expand

550 1002 0.00146705 reflect

551 1003 0.00146705 reflect

552 1005 0.00146705 reflect

553 1007 0.00146705 expand

554 1008 0.00146705 reflect

555 1009 0.00146705 reflect

556 1010 0.00146705 reflect

557 1011 0.00146705 reflect

558 1013 0.00146705 expand

559 1014 0.00146705 reflect

560 1015 0.00146705 reflect

561 1016 0.00146705 reflect

562 1018 0.00146705 expand

563 1019 0.00146705 reflect

564 1020 0.00146705 reflect

565 1021 0.00146705 reflect

566 1023 0.00146705 expand

567 1024 0.00146705 reflect

568 1026 0.00146705 contract inside

569 1027 0.00146705 reflect

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572 1031 0.00146705 contract inside

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576 1038 0.00146705 expand

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579 1042 0.00146705 contract inside

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582 1047 0.00146705 contract inside

583 1049 0.00146705 contract inside

584 1050 0.00146705 reflect

585 1052 0.00146705 expand

586 1053 0.00146705 reflect

587 1055 0.00146705 contract inside

588 1057 0.00146705 reflect

589 1059 0.00146705 expand

590 1060 0.00146705 reflect

591 1062 0.00146705 contract inside

592 1064 0.00146705 contract inside

593 1066 0.00146705 contract inside

594 1068 0.00146705 contract inside

595 1069 0.00146705 reflect

596 1081 0.00146705 shrink

597 1082 0.00146705 reflect

598 1083 0.00146705 reflect

599 1084 0.00146705 reflect

600 1086 0.00146705 contract inside

601 1087 0.00146705 reflect

602 1089 0.00146705 reflect

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604 1093 0.00146705 contract inside

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607 1098 0.00146705 reflect

608 1100 0.00146705 reflect

609 1102 0.00146705 expand

610 1103 0.00146705 reflect

611 1104 0.00146705 reflect

612 1105 0.00146705 reflect

613 1106 0.00146705 reflect

614 1108 0.00146705 contract inside

615 1110 0.00146705 expand

616 1112 0.00146705 contract inside

617 1114 0.00146705 contract inside

618 1115 0.00146705 reflect

619 1116 0.00146705 reflect

620 1117 0.00146705 reflect

621 1119 0.00146705 expand

622 1120 0.00146705 reflect

623 1122 0.00146705 contract inside

624 1123 0.00146705 reflect

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627 1128 0.00146705 contract inside

628 1130 0.00146705 contract inside

629 1131 0.00146705 reflect

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635 1142 0.00146705 reflect

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650 1174 0.00146705 contract inside

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653 1180 0.00146705 contract inside

654 1181 0.00146705 reflect

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659 1189 0.00146705 contract inside

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665 1197 0.00146705 reflect

666 1199 0.00146705 contract inside

667 1201 0.00146705 contract inside

668 1202 0.00146705 reflect

669 1204 0.00146705 expand

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672 1208 0.00146705 expand

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674 1211 0.00146705 contract inside

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1031 1807 0.00146705 expand

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1043 1824 0.00146705 reflect

1044 1826 0.00146705 contract inside

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1066 1861 0.00146705 expand

1067 1862 0.00146705 reflect

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1071 1868 0.00146705 contract inside

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1073 1871 0.00146705 reflect

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1075 1873 0.00146705 reflect

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1081 1883 0.00146705 expand

1082 1885 0.00146705 contract inside

1083 1887 0.00146705 contract inside

1084 1888 0.00146705 reflect

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1086 1890 0.00146705 reflect

1087 1892 0.00146705 expand

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1090 1896 0.00146705 contract inside

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1096 1906 0.00146705 reflect

1097 1908 0.00146705 contract inside

1098 1920 0.00146705 shrink

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1104 1930 0.00146705 reflect

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1112 1943 0.00146705 expand

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1115 1946 0.00146705 reflect

1116 1948 0.00146705 contract inside

1117 1949 0.00146705 reflect

1118 1951 0.00146705 expand

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1121 1955 0.00146705 expand

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1123 1958 0.00146705 contract inside

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1125 1960 0.00146705 reflect

1126 1962 0.00146705 contract inside

1127 1963 0.00146705 reflect

1128 1965 0.00146705 expand

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1135 1976 0.00146705 contract inside

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1138 1981 0.00146705 expand

1139 1983 0.00146705 contract inside

1140 1985 0.00146705 contract inside

1141 1987 0.00146705 contract inside

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1143 1990 0.00146705 reflect

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1146 1996 0.00146705 contract inside

1147 1998 0.00146705 contract inside

1148 2000 0.00146705 contract inside

Exiting: Maximum number of function evaluations has been exceeded

- increase MaxFunEvals option.

Current function value: 0.001467

FMINSEARCH terminated.

**x =[16.9128,1.242,0.1083,0.8213,4.7407,-1.4121,19.0364,9.0774,12.6923,0.0047];**

**fval =0.0015;**

exitflag =0

output =

problemtype: 'unconstrained'

rngstate: [1x1 struct]

generations: 200

funccount: 22100

message: [1x227 char]

population =

Columns 1 through 6

15.7230 1.6257 0.1408 0.8678 4.8173 -1.5235

15.7074 1.6257 0.1191 0.8678 4.8276 -1.5273

15.6981 1.6177 0.1151 0.8723 4.8282 -1.5255

15.5586 1.6538 0.1630 0.8167 4.8187 -1.5235

15.7074 1.6257 0.1408 0.8678 4.8276 -1.5235

15.7074 1.6472 0.1547 0.8678 4.8276 -1.5235

15.7074 1.6295 0.1191 0.8678 4.8173 -1.5188

15.7074 1.6348 0.1408 0.8678 4.8173 -1.5235

15.5521 1.6377 0.1191 0.8921 4.8839 -1.5592

15.7079 1.6256 0.1365 0.8728 4.8406 -1.5146

15.7074 1.6257 0.1249 0.8632 4.8294 -1.5355

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15.7074 1.6472 0.1483 0.8678 4.8276 -1.5235

15.6255 1.6656 0.1249 0.8678 4.8250 -1.5442

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15.7230 1.6441 0.1408 0.8678 4.8436 -1.5235

15.5552 1.6257 0.1560 0.9254 4.8561 -1.5168

15.7074 1.6236 0.1191 0.8678 4.8276 -1.5152

15.7074 1.6257 0.1547 0.8678 4.8276 -1.5273

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15.5586 1.6257 0.0988 0.8746 4.8354 -1.4503

15.7352 1.6257 0.1547 0.8520 4.8276 -1.5235

15.5715 1.6295 0.1266 0.8661 4.8348 -1.5188

15.6499 1.6585 0.1660 0.8267 4.7816 -1.5161

15.7035 1.6320 0.1451 0.8102 4.8276 -1.5525

15.5586 1.6257 0.1191 0.8730 4.8294 -1.5235

15.7074 1.6291 0.1135 0.8686 4.8320 -1.5337

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15.6043 1.6648 0.1391 0.8972 4.7553 -1.5400

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15.7230 1.6257 0.1408 0.8678 4.8173 -1.5235

15.7074 1.6257 0.1135 0.8678 4.8320 -1.5198

15.7074 1.6257 0.1191 0.8704 4.8276 -1.5273

15.7230 1.6348 0.1249 0.8730 4.8173 -1.5235

15.7074 1.6050 0.1191 0.8678 4.8695 -1.5273

15.6886 1.6256 0.1191 0.8728 4.8276 -1.5502

15.7230 1.6257 0.1408 0.8661 4.8173 -1.5236

15.7074 1.6491 0.1138 0.8678 4.8281 -1.5251

15.7074 1.6257 0.1408 0.8678 4.8276 -1.5188

15.7074 1.6257 0.1249 0.8678 4.8631 -1.5235

15.7041 1.6257 0.1630 0.8467 4.7915 -1.5271

15.4928 1.6295 0.1191 0.8661 4.8173 -1.5155

15.7074 1.6257 0.1181 0.8704 4.8276 -1.5235

15.7327 1.6348 0.1483 0.8730 4.8294 -1.5273

15.7074 1.6257 0.1191 0.8678 4.8276 -1.5342

15.7074 1.6295 0.1408 0.8661 4.8173 -1.5235

15.5619 1.6186 0.1408 0.9197 4.8482 -1.5235

15.7074 1.6581 0.1191 0.8739 4.8316 -1.5271

15.7074 1.6348 0.1191 0.8730 4.8631 -1.5235

15.7074 1.6257 0.1191 0.8678 4.8276 -1.5235

15.7074 1.6257 0.1191 0.8678 4.8276 -1.5273

15.6725 1.6257 0.1191 0.8730 4.8276 -1.5055

15.7074 1.6257 0.1249 0.8678 4.8354 -1.5767

15.5586 1.6257 0.1249 0.8631 4.8457 -1.5235

15.7123 1.6257 0.1304 0.9360 4.8725 -1.5243

15.7074 1.6257 0.1191 0.8704 4.8276 -1.5273

15.6499 1.6142 0.1547 0.8730 4.7816 -1.5271

15.5586 1.6257 0.1547 0.8678 4.8319 -1.5235

15.7123 1.6472 0.1304 0.9360 4.8276 -1.5273

15.7074 1.6257 0.1630 0.8704 4.8294 -1.5442

15.7002 1.6257 0.1583 0.8527 4.8839 -1.5592

15.7074 1.6599 0.1191 0.8678 4.8650 -1.5273

15.6767 1.6257 0.1187 0.8749 4.8354 -1.5101

15.5515 1.6551 0.1249 0.9367 4.7250 -1.5273

15.7230 1.6295 0.1547 0.8458 4.8276 -1.5235

15.6563 1.6472 0.1249 0.8632 4.8276 -1.5235

15.7074 1.6257 0.1191 0.8678 4.8276 -1.5273

15.5619 1.6484 0.1086 0.8678 4.8482 -1.5442

15.6826 1.6358 0.1391 0.8972 4.8385 -1.5400

15.7074 1.6257 0.1630 0.8771 4.8276 -1.5442

15.7074 1.6648 0.1249 0.8825 4.8354 -1.5235

15.7227 1.6240 0.1483 0.8620 4.8279 -1.5133

15.5760 1.6257 0.1499 0.8678 4.7620 -1.5105

15.7074 1.6257 0.1191 0.8678 4.8276 -1.5273

15.7230 1.6257 0.1408 0.8678 4.8173 -1.5235

15.6367 1.6540 0.1630 0.8897 4.8695 -1.5235

15.7002 1.6257 0.1630 0.8678 4.8276 -1.5115

15.7074 1.6257 0.1547 0.8678 4.8276 -1.5235

15.6725 1.6348 0.1191 0.8678 4.8294 -1.5273

15.7215 1.6236 0.1372 0.8785 4.8127 -1.5152

15.7074 1.6257 0.1191 0.8678 4.8385 -1.5442

15.7074 1.6257 0.1191 0.8678 4.8276 -1.5235

15.7074 1.6257 0.1249 0.8678 4.8276 -1.5442

15.7074 1.6257 0.1630 0.8678 4.8276 -1.5235

15.7074 1.6257 0.1245 0.8704 4.8276 -1.5235

15.7074 1.6348 0.1191 0.8678 4.8276 -1.5235

15.7115 1.6194 0.1542 0.8736 4.8199 -1.5196

15.6981 1.6177 0.1151 0.8723 4.8282 -1.5255

Columns 7 through 10

16.7143 8.9594 11.4204 0.0145

16.7083 8.9641 11.4102 0.0042

16.6219 8.9641 11.4026 0.0178

16.5746 8.9675 11.4813 -0.0173

16.7143 8.9040 11.4204 0.0145

16.7083 8.9040 11.3845 -0.0136

16.7143 8.9462 11.4026 0.0145

16.7143 8.9594 11.4832 0.0004

16.7083 8.9634 11.5163 0.0042

16.6882 8.9794 11.4002 -0.0027

16.7103 8.9641 11.4102 0.0103

16.5744 8.9462 11.3864 -0.0092

16.6219 8.9040 11.4026 0.0042

16.6219 8.9641 11.4102 0.0137

16.7223 8.9040 11.4026 0.0042

16.7143 8.9462 11.4204 0.0145

16.6219 8.9040 11.4026 0.0042

16.7103 8.9641 11.4102 0.0042

16.6882 8.9794 11.4004 0.0002

16.7143 8.9594 11.4204 0.0145

16.7143 8.9060 11.4097 0.0145

16.6968 8.9072 11.4097 0.0057

16.7151 8.9481 11.4206 0.0042

16.7083 8.9641 11.4026 0.0053

16.6927 8.9462 11.3856 0.0145

16.6459 8.9641 11.4026 0.0042

16.7083 8.9040 11.4232 0.0042

16.7143 8.9462 11.4026 0.0142

16.6200 8.8905 11.4019 0.0673

16.6219 8.9049 11.4832 0.0076

16.7083 8.9813 11.4026 0.0066

16.6219 8.9040 11.4026 0.0007

16.7083 8.9641 11.4026 0.0042

16.6383 8.9090 11.4026 0.0725

16.6340 8.9040 11.4097 0.0042

16.6189 8.9040 11.3930 0.0012

16.6252 8.9076 11.4102 -0.0059

16.6219 8.9040 11.4026 0.0042

16.5725 8.9462 11.3799 0.0145

16.6879 8.9594 11.4149 0.0075

16.7151 8.9641 11.4206 0.0182

16.6892 8.9040 11.4044 0.0042

16.7143 8.9594 11.4204 0.0145

16.7097 8.9641 11.3997 0.0042

16.6927 8.9641 11.4102 0.0103

16.7143 8.9040 11.4204 -0.0008

16.6294 8.9641 11.3964 0.0258

16.7083 8.9794 11.4004 0.0002

16.6340 8.9462 11.4204 0.0042

16.6219 8.9069 11.4003 0.0006

16.7143 8.9641 11.4026 0.0142

16.7083 8.9462 11.3856 0.0145

16.7103 8.9040 11.4193 0.0184

16.7143 8.9040 11.4204 0.0123

16.6055 8.8653 11.4026 0.0053

16.6927 8.9441 11.4102 0.0175

16.7083 8.9641 11.4026 0.0042

16.7143 8.9040 11.4026 0.0042

16.6388 8.8476 11.3464 -0.0187

16.7103 8.9641 11.4102 0.0184

16.7083 8.9641 11.3856 0.0103

16.6219 8.9641 11.4102 0.0042

16.7083 8.9641 11.4026 0.0042

16.6219 8.8525 11.4102 0.0103

16.6927 8.9641 11.4102 0.0042

16.6199 8.9594 11.4026 0.0042

16.6968 8.9040 11.4097 0.0024

16.7083 8.9594 11.4102 0.0042

16.7103 8.9125 11.4193 -0.0008

16.6219 8.9594 11.4026 0.0042

16.6968 8.9641 11.4097 0.0024

16.6024 8.9040 11.4101 0.0042

16.6219 8.9040 11.4776 -0.0008

16.7083 8.9641 11.4102 0.0042

16.6219 8.9580 11.4189 0.0261

16.6927 8.7817 11.3998 0.0103

16.6229 8.9462 11.4026 0.0004

16.7083 8.9320 11.3856 0.0103

16.7083 8.9641 11.4026 0.0042

16.6388 8.9462 11.4026 0.0137

16.5670 8.9090 11.5101 0.0222

16.6024 8.9040 11.4026 0.0042

16.7083 8.9594 11.4102 0.0004

16.7223 8.9441 11.4237 0.0175

16.6385 8.9641 11.4176 -0.0112

16.7083 8.9040 11.4102 0.0042

16.7143 8.9594 11.4204 0.0145

16.6219 8.9599 11.4026 0.0012

16.7083 8.9040 11.4026 0.0042

16.6134 8.9040 11.4193 0.0140

16.6219 8.9641 11.4102 0.0004

16.7151 8.9481 11.4206 0.0182

16.5948 8.9040 11.4026 -0.0127

16.7083 8.9040 11.4026 0.0042

16.7143 8.9462 11.4204 0.0145

16.7083 8.9040 11.4026 0.0042

16.5936 8.9594 11.4026 0.0042

16.7083 8.9641 11.4026 0.0103

16.5937 8.9071 11.4247 0.0119

16.7137 8.9557 11.4142 0.0178

scores =

494.0662

494.2917

526.5519

635.7708

512.2308

614.7800

501.2476

520.0971

505.3531

508.4077

496.8292

617.5233

544.6099

519.6895

538.1123

595.9321

530.1973

493.8512

499.4892

497.8931

527.6329

555.0076

497.0819

497.5191

499.7260

549.7570

505.3000

535.1870

563.7009

531.1949

529.0510

526.1005

495.6579

557.0213

523.6193

527.5881

610.1903

578.0767

681.9625

627.6456

498.2779

558.8319

494.0662

495.5544

499.8280

504.2847

533.7204

494.5498

511.0633

526.4924

499.3707

506.1359

521.5294

562.6486

544.0042

499.0917

495.4718

509.3544

688.5608

590.4296

502.6190

513.0733

495.5779

553.5324

505.1488

553.2776

516.6993

495.2789

533.1677

554.0055

544.6438

534.3811

523.2889

603.4555

529.0948

585.2571

516.7860

524.5625

495.5779

539.6707

529.6363

535.3058

621.5439

499.2491

602.2191

510.2875

494.0662

541.3324

515.7130

534.4573

514.3241

499.6060

599.9046

511.6445

500.0573

513.5260

521.6073

503.5524

538.9449

507.1872

Sending a stop signal to all the labs ... stopped.

Did not find any pre-existing parallel jobs created by matlabpool.

Caculation finished and the elapsedTime= 61.8469hours

**x =[16.9128,1.242,0.1083,0.8213,4.7407,-1.4121,19.0364,9.0774,12.6923,0.0047];**

**fval =0.0015; AR =3.4953; Re =981.0652;**

**t\_flight =1.0228e+003; AR =3.4953; Re =981.0652;**

**Distance\_flight\_min0 =681.6856; Distance\_flight\_min =0.0015;**

**L =0.9999; delta =-5.9575e-005; P\_asterisk =24.4425;**

**penaltyfun1 =0.1192; penaltyfun2 =0; penaltyfun5 =0; obj\_function =0.1206;**

**精确值**

**x=[1.6912828e+001,1.2420390e+000,1.0834365e-001,8.2130076e-001,4.7406786e+000,-1.4120757e+000,1.9036443e+001,9.0774180e+000,1.2692286e+001,4.7016471e-003];**

**t\_flight =1.0227e+003; AR =3.4953; Re =981.0652;**

**Distance\_flight\_min0 =681.6380; Distance\_flight\_min =0.0015;**

**L =1.0000; delta =6.6878e-008; P\_asterisk =24.4450;**

**penaltyfun1 =1.3376e-004; penaltyfun2 =0; penaltyfun5 =0; obj\_function =0.0016;**