**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title | **Additional text for Annex K** | |
| Date Submitted | 22 September, 2011 | |
| Source | [Cristina Seibert] [] | E-mail: [cseibert @ silverspringnet.com] |
| Re: |  | |
| Abstract | Additional text for Annex K, in regards to resolution to CID 205. | |
| Purpose | Reference for the resolution to CID 205. | |
| Notice | This document has been prepared to assist the IEEE P802.15. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein. | |
| Release | The contributor acknowledges and accepts that this contribution becomes the property of IEEE and may be made publicly available by P802.15. | |

Add sub-clause K.6 “The entire packet”

The complete packet in the time domain is as follows:

sample\_out[1] = (0.6505,0.0000)

sample\_out[2] = (1.0989,0.6505)

sample\_out[3] = (0.4600,-1.3010)

sample\_out[4] = (-0.9531,-0.6505)

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sample\_out[9] = (-0.6505,0.0000)

sample\_out[10] = (-1.0989,0.6505)

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sample\_out[327] = (-1.1903,0.3727)

sample\_out[328] = (-0.7761,-0.0741)

sample\_out[329] = (0.1036,-0.6339)

sample\_out[330] = (0.2871,-1.2165)

sample\_out[331] = (0.4219,-0.6784)

sample\_out[332] = (0.8836,-0.4284)

sample\_out[333] = (0.5269,0.2276)

sample\_out[334] = (-0.6312,0.5158)

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sample\_out[382] = (0.8594,-0.5478)

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sample\_out[385] = (1.2500,0.0000)

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sample\_out[388] = (0.8594,0.5478)

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sample\_out[399] = (-0.3382,-0.9638)

sample\_out[400] = (0.3459,0.1333)

sample\_out[401] = (0.2500,1.2500)

sample\_out[402] = (1.0998,0.4827)

sample\_out[403] = (0.4623,-0.2948)

sample\_out[404] = (0.0015,-1.1597)

sample\_out[405] = (1.1802,-0.4189)

sample\_out[406] = (-0.4653,0.3832)

sample\_out[407] = (-0.6222,0.3373)

sample\_out[408] = (0.8113,-0.6423)

sample\_out[409] = (-0.6036,-1.1339)

sample\_out[410] = (-0.5391,-0.2070)

sample\_out[411] = (-0.3165,-1.0258)

sample\_out[412] = (-0.5326,-0.3518)

sample\_out[413] = (0.2817,0.9077)

sample\_out[414] = (-0.5541,-0.4205)

sample\_out[415] = (0.1470,-0.1780)

sample\_out[416] = (0.5069,0.5395)

sample\_out[417] = (-0.7500,0.0000)

sample\_out[418] = (0.5069,-0.5395)

sample\_out[419] = (0.1470,0.1780)

sample\_out[420] = (-0.5541,0.4205)

sample\_out[421] = (0.2817,-0.9077)

sample\_out[422] = (-0.5326,0.3518)

sample\_out[423] = (-0.3165,1.0258)

sample\_out[424] = (-0.5391,0.2070)

sample\_out[425] = (-0.6036,1.1339)

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sample\_out[427] = (-0.6222,-0.3373)

sample\_out[428] = (-0.4653,-0.3832)

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sample\_out[430] = (0.0015,1.1597)

sample\_out[431] = (0.4623,0.2948)

sample\_out[432] = (1.0998,-0.4827)

sample\_out[433] = (0.2500,-1.2500)

sample\_out[434] = (0.3459,-0.1333)

sample\_out[435] = (-0.3382,0.9638)

sample\_out[436] = (-0.6312,-0.5158)

sample\_out[437] = (0.5269,-0.2276)

sample\_out[438] = (0.8836,0.4284)

sample\_out[439] = (0.4219,0.6784)

sample\_out[440] = (0.2871,1.2165)

sample\_out[441] = (0.1036,0.6339)

sample\_out[442] = (-0.7761,0.0741)

sample\_out[443] = (-1.1903,-0.3727)

sample\_out[444] = (-0.9756,0.4563)

sample\_out[445] = (0.0111,0.4458)

sample\_out[446] = (0.8594,-0.5478)

sample\_out[447] = (-0.5640,0.4328)

sample\_out[448] = (-0.3216,0.5171)

sample\_out[449] = (1.2500,0.0000)

sample\_out[450] = (-0.3216,-0.5171)

sample\_out[451] = (-0.5640,-0.4328)

sample\_out[452] = (0.8594,0.5478)

sample\_out[453] = (0.0111,-0.4458)

sample\_out[454] = (-0.9756,-0.4563)

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sample\_out[457] = (0.1036,-0.6339)

sample\_out[458] = (0.2871,-1.2165)

sample\_out[459] = (0.4219,-0.6784)

sample\_out[460] = (0.8836,-0.4284)

sample\_out[461] = (0.5269,0.2276)

sample\_out[462] = (-0.6312,0.5158)

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sample\_out[478] = (-0.5541,-0.4205)

sample\_out[479] = (0.1470,-0.1780)

sample\_out[480] = (0.5069,0.5395)

sample\_out[481] = (0.7500,-0.2500)

sample\_out[482] = (0.0030,0.0383)

sample\_out[483] = (-0.4024,0.3583)

sample\_out[484] = (1.1517,0.1295)

sample\_out[485] = (-0.3571,-0.3694)

sample\_out[486] = (-0.7863,0.3638)

sample\_out[487] = (1.0069,-0.1142)

sample\_out[488] = (-0.5347,-0.4360)

sample\_out[489] = (-0.3750,0.6250)

sample\_out[490] = (1.1394,0.9180)

sample\_out[491] = (0.4178,-0.2132)

sample\_out[492] = (0.5319,-1.1776)

sample\_out[493] = (-0.1049,-0.8631)

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sample\_out[495] = (-0.2948,0.2850)

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sample\_out[515] = (-1.0664,-0.7119)

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sample\_out[517] = (0.8142,-0.2341)

sample\_out[518] = (0.3200,-0.3035)

sample\_out[519] = (0.6083,-0.3635)

sample\_out[520] = (0.1902,1.3675)

sample\_out[521] = (-0.3750,0.6250)

sample\_out[522] = (0.2095,-0.1602)

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sample\_out[524] = (-0.8200,0.1545)

sample\_out[525] = (-0.3522,0.4667)

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sample\_out[529] = (-1.2500,-0.7500)

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sample\_out[537] = (-0.0518,0.3018)

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sample\_out[539] = (0.9932,-0.0501)

sample\_out[540] = (1.0643,0.1866)

sample\_out[541] = (1.1038,0.1295)

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sample\_out[543] = (-0.1725,1.2363)

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sample\_out[560] = (-0.9447,0.4838)

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sample\_out[563] = (-0.1437,-0.2565)

sample\_out[564] = (-0.1802,0.2279)

sample\_out[565] = (0.2839,-0.2244)

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sample\_out[567] = (-1.6074,0.3079)

sample\_out[568] = (0.7877,-0.1511)

sample\_out[569] = (0.3750,-0.8321)

sample\_out[570] = (-0.9921,-0.2920)

sample\_out[571] = (-0.0893,-0.4812)

sample\_out[572] = (-0.1895,0.4323)

sample\_out[573] = (0.3314,1.4226)

sample\_out[574] = (0.4784,0.5251)

sample\_out[575] = (0.1954,-0.1440)

sample\_out[576] = (1.1669,0.2835)

sample\_out[577] = (0.7500,-0.2500)

sample\_out[578] = (0.7536,0.0435)

sample\_out[579] = (0.5296,0.7304)

sample\_out[580] = (-0.6150,-1.1478)

sample\_out[581] = (0.4857,-0.2386)

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sample\_out[588] = (-0.0255,-0.6389)

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sample\_out[594] = (-0.2563,1.2112)

sample\_out[595] = (0.2901,-0.0178)

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sample\_out[597] = (-0.8874,0.1815)

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sample\_out[600] = (1.2821,0.3947)

sample\_out[601] = (0.3750,0.5821)

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sample\_out[605] = (-0.7278,-0.6726)

sample\_out[606] = (-0.2412,0.0818)

sample\_out[607] = (-0.4248,1.2592)

sample\_out[608] = (-0.6098,0.2982)

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sample\_out[612] = (0.2529,-1.0497)

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sample\_out[615] = (0.1761,-0.3479)

sample\_out[616] = (0.0176,-0.5926)

sample\_out[617] = (-0.6553,-0.3018)

sample\_out[618] = (-0.1281,-0.2806)

sample\_out[619] = (0.8339,0.8637)

sample\_out[620] = (-0.2068,1.0417)

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sample\_out[645] = (-0.3298,-0.5272)

sample\_out[646] = (-0.5840,-1.1713)

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sample\_out[651] = (-0.4830,-0.3086)

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sample\_out[658] = (0.2423,0.7199)

sample\_out[659] = (1.0962,0.1399)

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sample\_out[795] = (-0.1631,-0.2493)

sample\_out[796] = (-0.8028,1.0475)

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sample\_out[798] = (0.1681,0.9115)

sample\_out[799] = (0.4341,0.3737)

sample\_out[800] = (0.6505,-0.1614)

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sample\_out[802] = (-0.0317,0.8648)

sample\_out[803] = (-0.9607,0.0501)

sample\_out[804] = (0.7640,-0.2991)

sample\_out[805] = (1.1961,0.6546)

sample\_out[806] = (0.2388,0.2248)

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sample\_out[809] = (0.3750,-0.8750)

sample\_out[810] = (-0.6716,1.0428)

sample\_out[811] = (-0.6920,1.1976)

sample\_out[812] = (-0.3902,-0.1775)

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sample\_out[814] = (0.7307,0.7500)

sample\_out[815] = (0.0267,0.1909)

sample\_out[816] = (-1.3111,0.2567)

sample\_out[817] = (-0.7500,0.5000)

sample\_out[818] = (-0.4114,-0.5356)

sample\_out[819] = (-0.4178,-0.6116)

sample\_out[820] = (0.0996,0.3420)

sample\_out[821] = (0.4202,-0.2297)

sample\_out[822] = (-0.8027,-0.7097)

sample\_out[823] = (-1.0913,-0.4436)

sample\_out[824] = (-0.1646,-0.3029)

sample\_out[825] = (0.0518,0.4482)

sample\_out[826] = (0.1405,0.6933)

sample\_out[827] = (0.1632,-0.2845)

sample\_out[828] = (0.8089,-0.6057)

sample\_out[829] = (0.1654,0.3787)

sample\_out[830] = (-0.4424,0.8356)

sample\_out[831] = (1.4504,0.7296)

sample\_out[832] = (1.1508,0.7681)

sample\_out[833] = (-0.2500,-0.5000)

sample\_out[834] = (0.5813,-1.2438)

sample\_out[835] = (0.9020,-0.0004)

sample\_out[836] = (-0.1068,0.2798)

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sample\_out[838] = (0.9756,-0.4730)

sample\_out[839] = (-1.0831,-0.3735)

sample\_out[840] = (-0.8955,-0.8044)

sample\_out[841] = (0.3750,-0.8750)

sample\_out[842] = (0.2269,-0.2881)

sample\_out[843] = (0.9039,-0.8235)

sample\_out[844] = (-0.4775,-0.0295)

sample\_out[845] = (-0.2024,1.6995)

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sample\_out[847] = (-0.6849,-0.3580)

sample\_out[848] = (-0.3707,0.1709)

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sample\_out[850] = (-0.3453,0.4325)

sample\_out[851] = (-0.0236,-0.6453)

sample\_out[852] = (-0.5497,-1.1470)

sample\_out[853] = (0.4762,0.4797)

sample\_out[854] = (0.7955,-0.7143)

sample\_out[855] = (0.2134,-0.8132)

sample\_out[856] = (-0.1436,0.6381)

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sample\_out[858] = (0.0971,1.4484)

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sample\_out[864] = (-0.6760,-0.0647)

sample\_out[865] = (-0.5000,-0.2500)

sample\_out[866] = (-0.0317,0.8648)

sample\_out[867] = (-0.9607,0.0501)

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sample\_out[871] = (0.0467,0.4232)

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sample\_out[890] = (0.4263,-0.0201)

sample\_out[891] = (0.7092,0.9469)

sample\_out[892] = (0.6284,0.5555)

sample\_out[893] = (0.5090,-0.1824)

sample\_out[894] = (-0.5295,0.0510)

sample\_out[895] = (-1.0252,-0.5532)

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sample\_out[911] = (-1.0181,0.3954)

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sample\_out[946] = (-0.4951,-0.6501)

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sample\_out[956] = (0.6284,0.5555)

sample\_out[957] = (0.5090,-0.1824)

sample\_out[958] = (-0.5295,0.0510)

sample\_out[959] = (-1.0252,-0.5532)

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sample\_out[962] = (-1.1885,-0.0517)

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sample\_out[964] = (0.9695,-0.3270)

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sample\_out[966] = (-0.2959,0.2999)

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sample\_out[968] = (0.4167,-0.1605)

sample\_out[969] = (0.4268,0.7500)

sample\_out[970] = (-0.1728,0.7154)

sample\_out[971] = (0.3569,0.0708)

sample\_out[972] = (-0.7639,0.0450)

sample\_out[973] = (-0.2207,-0.2286)

sample\_out[974] = (0.5312,0.1754)

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sample\_out[981] = (0.1268,0.8224)

sample\_out[982] = (-0.2803,-0.2552)

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sample\_out[987] = (-0.3567,-0.3233)

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sample\_out[990] = (0.3252,0.1889)

sample\_out[991] = (1.3422,0.0824)

sample\_out[992] = (0.8683,0.2341)

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sample\_out[994] = (-1.0738,-1.5594)

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sample\_out[1003] = (-0.4764,0.2335)

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sample\_out[1006] = (0.8367,1.1749)

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sample\_out[1008] = (-0.5262,-0.7515)

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sample\_out[1011] = (-0.5249,-1.2791)

sample\_out[1012] = (0.8557,0.5252)

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sample\_out[1014] = (-0.9603,-0.3229)

sample\_out[1015] = (0.4555,0.0495)

sample\_out[1016] = (-0.4136,-0.2559)

sample\_out[1017] = (-0.5303,-0.0000)

sample\_out[1018] = (0.0939,-0.3668)

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sample\_out[1022] = (0.2086,0.3624)

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sample\_out[1042] = (0.0433,0.7037)

sample\_out[1043] = (-0.5993,-0.3057)

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sample\_out[1045] = (0.4606,1.1643)

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sample\_out[1047] = (-0.2740,0.3948)

sample\_out[1048] = (-0.3143,0.3605)

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sample\_out[1051] = (0.2119,-0.6767)

sample\_out[1052] = (-0.1467,0.2008)

sample\_out[1053] = (0.1926,-0.4572)

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sample\_out[1055] = (0.6994,1.4749)

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sample\_out[1061] = (0.3089,0.1433)

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sample\_out[1063] = (0.5689,0.1112)

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sample\_out[1102] = (-0.2899,-0.4336)

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sample\_out[1104] = (-0.0630,0.1516)

sample\_out[1105] = (-0.5000,-0.5000)

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sample\_out[1107] = (-0.5993,-0.3057)

sample\_out[1108] = (0.9108,0.4501)

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sample\_out[1123] = (0.8211,0.9934)

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sample\_out[1134] = (-1.1141,-0.1848)

sample\_out[1135] = (0.4767,0.3437)

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sample\_out[1177] = (0.8018,-0.6250)

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sample\_out[1179] = (1.1190,0.0542)

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sample\_out[1186] = (0.9942,0.2744)

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sample\_out[1192] = (0.9068,-0.3356)

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sample\_out[1194] = (-0.6357,0.4815)

sample\_out[1195] = (-0.0194,-0.6036)

sample\_out[1196] = (-0.3315,-0.4134)

sample\_out[1197] = (-1.1746,-0.0325)

sample\_out[1198] = (-1.1141,-0.1848)

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sample\_out[1200] = (1.4635,0.9359)

sample\_out[1201] = (-0.3536,0.3536)

sample\_out[1202] = (-0.6225,0.5404)

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sample\_out[1595] = (-0.2209,-0.3889)

sample\_out[1596] = (-0.1251,0.0314)

sample\_out[1597] = (0.3591,-0.8211)

sample\_out[1598] = (0.1504,0.0247)

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sample\_out[1600] = (-0.0178,-0.2952)

sample\_out[1601] = (-0.5303,0.3536)

sample\_out[1602] = (0.0362,0.1951)

sample\_out[1603] = (1.5894,-0.2734)

sample\_out[1604] = (1.1743,-0.7905)

sample\_out[1605] = (0.0957,-0.2037)

sample\_out[1606] = (0.7194,1.0870)

sample\_out[1607] = (-0.4588,0.9484)

sample\_out[1608] = (-0.7891,-0.1564)

sample\_out[1609] = (-0.4268,-0.2197)

sample\_out[1610] = (-1.0270,-0.3090)

sample\_out[1611] = (0.0165,0.0962)

sample\_out[1612] = (0.1871,0.3372)

sample\_out[1613] = (0.3932,-0.8887)

sample\_out[1614] = (0.9380,-0.8866)

sample\_out[1615] = (0.2672,-0.2544)

sample\_out[1616] = (-0.2780,0.2540)

sample\_out[1617] = (-0.5303,0.3536)

sample\_out[1618] = (0.2614,-0.5484)

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sample\_out[1620] = (-1.9533,0.4834)

sample\_out[1621] = (-0.2310,-0.6656)

sample\_out[1622] = (-0.6724,0.7313)

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sample\_out[1624] = (0.3620,0.3533)

sample\_out[1625] = (0.0732,0.6768)

sample\_out[1626] = (-1.2539,-0.9391)

sample\_out[1627] = (-0.4299,-0.3482)

sample\_out[1628] = (1.1011,0.7877)

sample\_out[1629] = (-0.2041,0.2646)

sample\_out[1630] = (-0.3363,0.0068)

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sample\_out[1632] = (0.3011,0.0302)

sample\_out[1633] = (0.1768,0.0000)

sample\_out[1634] = (-1.5594,-0.5893)

sample\_out[1635] = (-0.4155,0.6856)

sample\_out[1636] = (1.9024,-0.2646)

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sample\_out[1638] = (-0.2773,-0.1770)

sample\_out[1639] = (0.3621,-1.1312)

sample\_out[1640] = (-0.4501,-0.2002)

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sample\_out[1642] = (0.3684,-0.1857)

sample\_out[1643] = (-0.2665,0.8520)

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sample\_out[1645] = (0.3139,0.0352)

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sample\_out[1647] = (-0.1704,-0.1578)

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sample\_out[1649] = (0.1768,0.7071)

sample\_out[1650] = (0.1668,-0.3766)

sample\_out[1651] = (0.1701,0.3549)

sample\_out[1652] = (0.3542,-0.2571)

sample\_out[1653] = (0.2310,-0.3950)

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sample\_out[1655] = (-0.3123,-0.7069)

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sample\_out[1659] = (0.1799,-0.3929)

sample\_out[1660] = (0.0273,-0.2936)

sample\_out[1661] = (0.9112,-0.1181)

sample\_out[1662] = (1.0318,-0.7486)

sample\_out[1663] = (0.7856,-0.1548)

sample\_out[1664] = (-0.0730,0.6274)

sample\_out[1665] = (-0.5303,0.3536)

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sample\_out[1668] = (1.1743,-0.7905)

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sample\_out[1682] = (0.0422,0.3606)

sample\_out[1683] = (-1.2262,0.7068)

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sample\_out[1685] = (0.8657,-1.2428)

sample\_out[1686] = (0.7129,-0.2952)

sample\_out[1687] = (1.0229,0.8315)

sample\_out[1688] = (0.4230,0.3020)

sample\_out[1689] = (0.3232,-0.8536)

sample\_out[1690] = (-0.7755,-0.8068)

sample\_out[1691] = (-0.3816,-0.4457)

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sample\_out[1693] = (-1.1094,-0.9405)

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sample\_out[1712] = (1.0668,0.1259)

sample\_out[1713] = (-1.3107,0.7071)

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sample\_out[1715] = (-0.2901,-0.5218)

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sample\_out[1717] = (0.9450,0.4928)

sample\_out[1718] = (-0.6200,-0.4164)

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sample\_out[1721] = (-0.6768,-0.3536)

sample\_out[1722] = (-0.3057,-0.4615)

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sample\_out[1736] = (-0.1555,-0.3080)

sample\_out[1737] = (-0.6768,-0.6036)

sample\_out[1738] = (0.3272,-0.2122)

sample\_out[1739] = (-0.4040,-0.0363)

sample\_out[1740] = (0.2824,-0.4751)

sample\_out[1741] = (0.5914,-0.0663)

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sample\_out[1743] = (-0.4761,-0.2558)

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sample\_out[1748] = (0.1929,-0.2507)

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sample\_out[1750] = (0.7129,-0.2952)

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sample\_out[1763] = (0.4547,-0.3261)

sample\_out[1764] = (-0.7287,-1.4610)

sample\_out[1765] = (-0.3515,-1.0093)

sample\_out[1766] = (-0.6190,0.7051)

sample\_out[1767] = (0.1962,0.3589)

sample\_out[1768] = (0.9643,-0.2994)

sample\_out[1769] = (-0.9268,0.3964)

sample\_out[1770] = (-0.1563,0.0105)

sample\_out[1771] = (0.0111,-0.3584)

sample\_out[1772] = (0.1242,0.6776)

sample\_out[1773] = (1.0518,0.0182)

sample\_out[1774] = (-0.8214,-0.4763)

sample\_out[1775] = (-0.3751,0.9155)

sample\_out[1776] = (-0.1545,-0.1655)

sample\_out[1777] = (-0.1036,-1.4142)

sample\_out[1778] = (1.1645,0.1040)

sample\_out[1779] = (-0.2115,0.6640)

sample\_out[1780] = (0.6315,0.6276)

sample\_out[1781] = (0.6759,0.6535)

sample\_out[1782] = (-0.7752,0.1427)

sample\_out[1783] = (0.2895,0.4695)

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sample\_out[1790] = (-0.6281,0.0242)

sample\_out[1791] = (0.8118,-0.1118)

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sample\_out[1793] = (0.1036,-0.3536)

sample\_out[1794] = (0.2662,-0.9852)

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sample\_out[1797] = (0.9551,0.7593)

sample\_out[1798] = (0.5840,-0.5119)

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sample\_out[1801] = (0.5732,-0.6036)

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sample\_out[1809] = (0.6036,0.3536)

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sample\_out[1818] = (-0.6734,0.4578)

sample\_out[1819] = (-0.3207,0.4704)

sample\_out[1820] = (-0.2293,0.9744)

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sample\_out[1824] = (-0.0709,0.9201)

sample\_out[1825] = (0.1036,-0.0000)

sample\_out[1826] = (0.4724,-0.3751)

sample\_out[1827] = (0.4547,-0.3261)

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sample\_out[1831] = (0.1962,0.3589)

sample\_out[1832] = (0.9643,-0.2994)

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sample\_out[1846] = (-0.2716,0.5028)

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sample\_out[1848] = (-0.2528,-0.9689)

sample\_out[1849] = (0.0214,0.4786)

sample\_out[1850] = (0.3021,0.5310)

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sample\_out[1853] = (0.6625,-0.6419)

sample\_out[1854] = (-0.1478,-0.8287)

sample\_out[1855] = (-0.8396,0.4183)

sample\_out[1856] = (-0.9431,0.5037)

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sample\_out[1877] = (0.4606,-0.9812)

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sample\_out[1901] = (1.0642,0.5462)

sample\_out[1902] = (-0.0295,-0.4982)

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sample\_out[1904] = (0.5965,-0.7512)

sample\_out[1905] = (-0.1768,-0.1768)

sample\_out[1906] = (0.2057,0.2223)

sample\_out[1907] = (1.2373,-0.9499)

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sample\_out[1909] = (-0.7106,0.7312)

sample\_out[1910] = (-0.2716,0.5028)

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sample\_out[1914] = (0.3021,0.5310)

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sample\_out[1916] = (-0.2408,0.9165)

sample\_out[1917] = (0.6625,-0.6419)

sample\_out[1918] = (-0.1478,-0.8287)

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sample\_out[1930] = (-0.9843,0.0442)

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sample\_out[1933] = (0.2341,0.8348)

sample\_out[1934] = (0.5149,0.4050)

sample\_out[1935] = (-0.5881,0.7871)

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sample\_out[1944] = (-1.0693,-0.4243)

sample\_out[1945] = (0.4786,1.1982)

sample\_out[1946] = (0.2871,-0.0292)

sample\_out[1947] = (-1.0934,-0.9223)

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sample\_out[1949] = (0.2151,0.5092)

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sample\_out[1951] = (0.0364,0.4178)

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sample\_out[1957] = (0.1882,0.0203)

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sample\_out[1959] = (0.8377,0.1773)

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sample\_out[1963] = (-0.7802,-0.2215)

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sample\_out[1965] = (0.3694,-0.8777)

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sample\_out[1973] = (-0.2547,0.1546)

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sample\_out[1976] = (-0.2495,-1.0368)

sample\_out[1977] = (0.2286,-1.5518)

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sample\_out[1979] = (0.3546,0.9608)

sample\_out[1980] = (0.7067,-0.0164)

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sample\_out[1982] = (-0.1665,0.4414)

sample\_out[1983] = (-0.2595,-0.1117)

sample\_out[1984] = (-1.3421,0.5170)

sample\_out[1985] = (-0.8839,-0.0000)

sample\_out[1986] = (-0.5281,0.5001)

sample\_out[1987] = (-0.0039,0.6801)

sample\_out[1988] = (-0.5595,0.8308)

sample\_out[1989] = (-0.7917,0.7297)

sample\_out[1990] = (0.0089,-0.0110)

sample\_out[1991] = (-0.3694,0.3613)

sample\_out[1992] = (1.2119,-0.1508)

sample\_out[1993] = (0.9786,0.1982)

sample\_out[1994] = (-0.9843,0.0442)

sample\_out[1995] = (0.3119,-1.3171)

sample\_out[1996] = (0.4241,0.2268)

sample\_out[1997] = (0.2341,0.8348)

sample\_out[1998] = (0.5149,0.4050)

sample\_out[1999] = (-0.5881,0.7871)

sample\_out[2000] = (0.1107,-0.0131)

sample\_out[2001] = (-0.4268,0.3536)

sample\_out[2002] = (-1.0574,-0.1440)

sample\_out[2003] = (-0.7470,0.4266)

sample\_out[2004] = (0.3722,1.3037)

sample\_out[2005] = (-0.1084,0.3042)

sample\_out[2006] = (-1.1934,-0.5430)

sample\_out[2007] = (-0.3996,-0.1660)

sample\_out[2008] = (0.6821,-0.6570)

sample\_out[2009] = (-0.1768,-0.3232)

sample\_out[2010] = (-1.9805,0.3039)

sample\_out[2011] = (-1.1431,-0.8739)

sample\_out[2012] = (1.0910,-0.3047)

sample\_out[2013] = (0.7119,0.0045)

sample\_out[2014] = (0.5305,-0.1432)

sample\_out[2015] = (1.1243,0.7097)

sample\_out[2016] = (-0.4017,-0.5379)

sample\_out[2017] = (-0.6339,0.7071)

sample\_out[2018] = (0.8179,1.2678)

sample\_out[2019] = (0.7275,-1.0177)

sample\_out[2020] = (0.4730,0.1557)

sample\_out[2021] = (0.1622,-0.3311)

sample\_out[2022] = (-0.6697,-0.8676)

sample\_out[2023] = (-0.6594,0.1583)

sample\_out[2024] = (-0.4641,-0.8158)

sample\_out[2025] = (-0.6768,0.5732)

sample\_out[2026] = (-0.8257,1.1738)

sample\_out[2027] = (-0.6350,-0.2757)

sample\_out[2028] = (-0.5510,-0.6712)

sample\_out[2029] = (-0.4413,-0.4395)

sample\_out[2030] = (0.8945,0.4371)

sample\_out[2031] = (1.3260,0.3028)

sample\_out[2032] = (0.1681,0.5123)

sample\_out[2033] = (0.2803,0.0000)

sample\_out[2034] = (-0.1132,0.0082)

sample\_out[2035] = (-1.0167,1.3556)

sample\_out[2036] = (0.2982,-0.4010)

sample\_out[2037] = (0.8155,-0.1577)

sample\_out[2038] = (0.2434,0.3889)

sample\_out[2039] = (0.8186,-1.3076)

sample\_out[2040] = (0.4914,0.0773)

sample\_out[2041] = (-0.1768,0.1768)

sample\_out[2042] = (0.3101,-0.5701)

sample\_out[2043] = (0.4566,-0.3089)

sample\_out[2044] = (-0.0392,-0.4203)

sample\_out[2045] = (-0.2119,0.8491)

sample\_out[2046] = (0.5225,0.9202)

sample\_out[2047] = (0.7947,0.2765)

sample\_out[2048] = (0.0461,-0.4595)

sample\_out[2049] = (0.0732,-1.0607)

sample\_out[2050] = (0.1815,-0.1955)

sample\_out[2051] = (0.1220,0.0283)

sample\_out[2052] = (0.7169,-0.0711)

sample\_out[2053] = (0.5449,-0.5224)

sample\_out[2054] = (0.2181,0.5755)

sample\_out[2055] = (0.1546,1.5224)

sample\_out[2056] = (-0.2317,-0.8476)

sample\_out[2057] = (0.3232,-0.4268)

sample\_out[2058] = (0.2530,0.5701)

sample\_out[2059] = (-0.5927,-0.7486)

sample\_out[2060] = (0.0531,-0.0054)

sample\_out[2061] = (-0.0587,0.2930)

sample\_out[2062] = (-0.9602,-0.3537)

sample\_out[2063] = (-0.3308,-0.0820)

sample\_out[2064] = (0.1240,0.3139)

sample\_out[2065] = (-0.4268,0.3536)

sample\_out[2066] = (-1.0574,-0.1440)

sample\_out[2067] = (-0.7470,0.4266)

sample\_out[2068] = (0.3722,1.3037)

sample\_out[2069] = (-0.1084,0.3042)

sample\_out[2070] = (-1.1934,-0.5430)

sample\_out[2071] = (-0.3996,-0.1660)

sample\_out[2072] = (0.6821,-0.6570)

sample\_out[2073] = (-0.1768,-0.3232)

sample\_out[2074] = (-1.9805,0.3039)

sample\_out[2075] = (-1.1431,-0.8739)

sample\_out[2076] = (1.0910,-0.3047)

sample\_out[2077] = (0.7119,0.0045)

sample\_out[2078] = (0.5305,-0.1432)

sample\_out[2079] = (1.1243,0.7097)

sample\_out[2080] = (-0.4017,-0.5379)

sample\_out[2081] = (-0.5303,-0.3536)

sample\_out[2082] = (-0.2412,-1.2369)

sample\_out[2083] = (0.0325,0.1695)

sample\_out[2084] = (0.4862,1.0950)

sample\_out[2085] = (0.9334,0.8104)

sample\_out[2086] = (0.0086,0.4289)

sample\_out[2087] = (-0.1074,0.2087)

sample\_out[2088] = (0.3809,-0.8744)

sample\_out[2089] = (0.1982,-0.6250)

sample\_out[2090] = (1.0224,0.4850)

sample\_out[2091] = (0.4970,-0.5663)

sample\_out[2092] = (-0.6378,-0.5282)

sample\_out[2093] = (-0.3108,-0.2804)

sample\_out[2094] = (-0.6898,0.0300)

sample\_out[2095] = (-0.6495,0.5202)

sample\_out[2096] = (-1.0067,-1.4767)

sample\_out[2097] = (-1.7678,-0.8839)

sample\_out[2098] = (-0.6350,0.3694)

sample\_out[2099] = (-0.0401,-0.7119)

sample\_out[2100] = (0.3445,-0.1592)

sample\_out[2101] = (0.1146,0.2084)

sample\_out[2102] = (-0.9477,-0.1312)

sample\_out[2103] = (0.4526,-0.3851)

sample\_out[2104] = (0.5693,-0.0263)

sample\_out[2105] = (-0.9053,0.2714)

sample\_out[2106] = (-0.1578,-0.6136)

sample\_out[2107] = (0.3078,-0.5199)

sample\_out[2108] = (-0.1159,-0.4045)

sample\_out[2109] = (-0.9539,0.0764)

sample\_out[2110] = (-0.3503,0.3097)

sample\_out[2111] = (1.8126,0.2959)

sample\_out[2112] = (0.7345,1.2949)

sample\_out[2113] = (-0.1768,0.0000)

sample\_out[2114] = (0.7882,-0.3846)

sample\_out[2115] = (-0.3143,-0.2344)

sample\_out[2116] = (-0.0822,-0.2293)

sample\_out[2117] = (0.8773,2.0609)

sample\_out[2118] = (-0.1874,-0.0983)

sample\_out[2119] = (-0.0570,-1.3096)

sample\_out[2120] = (0.2189,1.0353)

sample\_out[2121] = (-0.5518,-0.3750)

sample\_out[2122] = (-0.2132,-0.4174)

sample\_out[2123] = (0.3005,0.6567)

sample\_out[2124] = (0.1283,0.5511)

sample\_out[2125] = (0.2072,0.2375)

sample\_out[2126] = (0.1004,-0.7112)

sample\_out[2127] = (-0.2475,-0.0472)

sample\_out[2128] = (-0.1488,-0.0826)

sample\_out[2129] = (-0.3536,0.5303)

sample\_out[2130] = (-0.2946,1.2521)

sample\_out[2131] = (0.0289,-0.9302)

sample\_out[2132] = (-0.3657,-0.7065)

sample\_out[2133] = (0.9032,0.4558)

sample\_out[2134] = (2.0504,-0.1994)

sample\_out[2135] = (0.4189,-0.2211)

sample\_out[2136] = (-0.2454,-0.1345)

sample\_out[2137] = (-0.1553,0.0214)

sample\_out[2138] = (-0.2687,0.5459)

sample\_out[2139] = (0.6018,0.7224)

sample\_out[2140] = (0.2427,0.3816)

sample\_out[2141] = (-0.3567,0.6736)

sample\_out[2142] = (0.0158,0.3715)

sample\_out[2143] = (-0.2085,-0.4761)

sample\_out[2144] = (-0.5029,0.2644)

sample\_out[2145] = (-0.5303,-0.3536)

sample\_out[2146] = (-0.2412,-1.2369)

sample\_out[2147] = (0.0325,0.1695)

sample\_out[2148] = (0.4862,1.0950)

sample\_out[2149] = (0.9334,0.8104)

sample\_out[2150] = (0.0086,0.4289)

sample\_out[2151] = (-0.1074,0.2087)

sample\_out[2152] = (0.3809,-0.8744)

sample\_out[2153] = (0.1982,-0.6250)

sample\_out[2154] = (1.0224,0.4850)

sample\_out[2155] = (0.4970,-0.5663)

sample\_out[2156] = (-0.6378,-0.5282)

sample\_out[2157] = (-0.3108,-0.2804)

sample\_out[2158] = (-0.6898,0.0300)

sample\_out[2159] = (-0.6495,0.5202)

sample\_out[2160] = (-1.0067,-1.4767)