Simple Transfers

Transfer from Kerbin to Moho

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: From Kerbin at UT 41m 26s

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: Makeing transfer at UT 41m 26s

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: synodicPeriod = 135d 00h 39m 06s

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: lastApsisPhaseAngle = 80.964

[Info : Unity Log] Searching for transfer window between 0s and 202d 03h 58m 39s from now

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = 62.362

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = 43.564

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = 24.584

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = 5.439

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -13.858

[Info : Unity Log] Found transfer window between 27d 00h 07m 49s and 33d 04h 39m 46s from now (test 5)

[Info : Unity Log] Optimal Time for Transfer: 28d 05h 35m 05s from now

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: idealDeltaV: [-2,665.140, 0.000, -1,139.787] = 2,898.635 m/s

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: idealBurnUT: 28d 05h 35m 05s from now

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: ejectionOrbitInitialVelocity: [-3,275.414, 0.000, -2,771.979 = 4,290.944 m/s]

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: ejectionOrbitFinalVelocity: [-2,048.821, -1,094.513, -1,733.915] = 2,898.635

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: turningAngle: 22.185

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: ejectionPointDirection: [-0.017 , -0.001, 1.000]

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: ejectionTrueAnomaly: 1.117

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: burnUT: 28d 05h 17m 41s from now.

[Info : Unity Log] Adding 1 orbital period because idealBurnUT - burnUT > o.period / 2

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: burnUT: 28d 05h 50m 18s from now.

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: ejectionVelocity: [-4,290.329, -2.118, -72.630] = 4,290.944 m/s

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: preEjectionVelocity: [-2,260.961, -1.143, -9.567] = 2,260.982 m/s

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: deltaV: [-2,029.368, -0.975, -63.063] = 2,030.348 m/s

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: burnUT: 28d 05h 50m 18s from now

Transfer from Kerbin to Eve

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: From Kerbin at UT 41m 37s

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: Makeing transfer at UT 41m 37s

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: synodicPeriod = 1y 253d 05h 43m 55s

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: lastApsisPhaseAngle = -67.418

[Info : Unity Log] Searching for transfer window between 0s and 2y 167d 05h 35m 53s from now

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -85.993

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -104.502

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -122.808

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -140.839

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -158.596

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -176.146

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = 166.402

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = 148.922

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = 131.295

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = 113.427

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = 95.275

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = 76.869

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = 58.309

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = 39.751

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = 21.323

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = 3.142

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -14.756

[Info : Unity Log] Found transfer window between 1y 117d 05h 47m 08s and 1y 151d 05h 46m 20s from now (test 17)

[Info : Unity Log] Optimal Time for Transfer: 1y 123d 05h 21m 37s from now

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: idealDeltaV: [185.083, 0.000, -782.211] = 803.810 m/s

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: idealBurnUT: 1y 123d 05h 21m 37s from now

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: ejectionOrbitInitialVelocity: [-2,484.750, 0.000, -2,117.131 = 3,264.388 m/s]

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: ejectionOrbitFinalVelocity: [-267.624, -722.836, -228.029] = 803.811

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: turningAngle: 64.061

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: ejectionPointDirection: [-0.633 , -0.001, 0.774]

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: ejectionTrueAnomaly: 1.785

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: burnUT: 1y 123d 05h 10m 08s from now.

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: ejectionVelocity: [-2,527.881, 0.649, -2,065.441] = 3,264.388 m/s

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: preEjectionVelocity: [-1,754.367, 0.413, -1,393.121] = 2,240.221 m/s

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: deltaV: [-773.513, 0.236, -672.320] = 1,024.860 m/s

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: burnUT: 1y 123d 05h 10m 08s from now

Transfer from Kerbin to Duna

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: From Kerbin at UT 42m 57s

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: Makeing transfer at UT 42m 57s

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: synodicPeriod = 2y 057d 03h 08m 17s

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: lastApsisPhaseAngle = -80.677

[Info : Unity Log] Searching for transfer window between 0s and 3y 086d 01h 42m 25s from now

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -61.068

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -44.007

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -28.955

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -14.636

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = 0.346

[Info : Unity Log] Found transfer window between 181d 05h 25m 39s and 227d 02h 17m 04s from now (test 5)

[Info : Unity Log] Optimal Time for Transfer: 226d 02h 17m 24s from now

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: idealDeltaV: [-799.160, 0.000, -140.667] = 811.446 m/s

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: idealBurnUT: 226d 02h 17m 24s from now

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: ejectionOrbitInitialVelocity: [-2,436.585, 0.000, -2,175.227 = 3,266.276 m/s]

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: ejectionOrbitFinalVelocity: [-267.205, -728.108, -238.544] = 811.445

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: turningAngle: 63.805

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: ejectionPointDirection: [0.807 , 0.000, 0.590]

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: ejectionTrueAnomaly: 0.160

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: burnUT: 226d 02h 16m 55s from now.

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: ejectionVelocity: [-1,928.057, -3.455, 2,636.502] = 3,266.276 m/s

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: preEjectionVelocity: [-1,340.757, -2.411, 1,842.043] = 2,278.323 m/s

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: deltaV: [-587.300, -1.044, 794.459] = 987.972 m/s

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: burnUT: 226d 02h 16m 55s from now

Transfer from Kerbin to Dres

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: From Kerbin at UT 43m 45s

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: Makeing transfer at UT 43m 45s

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: synodicPeriod = 1y 101d 02h 41m 43s

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: lastApsisPhaseAngle = 90.185

[Info : Unity Log] Searching for transfer window between 0s and 1y 365d 01h 02m 34s from now

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = 102.518

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = 115.119

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = 128.664

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = 143.775

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = 161.041

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -179.114

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -156.657

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -132.172

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -106.888

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -82.326

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -59.741

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -39.757

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -22.367

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -7.160

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = 6.446

[Info : Unity Log] Found transfer window between 369d 01h 17m 12s and 395d 03h 31m 17s from now (test 15)

[Info : Unity Log] Optimal Time for Transfer: 382d 04h 41m 20s from now

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: idealDeltaV: [1,464.591, 0.000, -1,139.098] = 1,855.416 m/s

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: idealBurnUT: 382d 04h 41m 20s from now

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: ejectionOrbitInitialVelocity: [-2,701.222, 0.000, -2,481.146 = 3,667.791 m/s]

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: ejectionOrbitFinalVelocity: [-1,092.810, -1,113.899, -1,003.776] = 1,855.417

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: turningAngle: 36.895

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: ejectionPointDirection: [-0.965 , 0.000, -0.263]

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: ejectionTrueAnomaly: 2.936

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: burnUT: 382d 04h 15m 16s from now.

[Info : Unity Log] Adding 1 orbital period because idealBurnUT - burnUT > o.period / 2

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: burnUT: 382d 04h 47m 53s from now.

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: ejectionVelocity: [963.554, 3.810, -3,538.960] = 3,667.791 m/s

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: preEjectionVelocity: [575.746, 2.300, -2,139.405] = 2,215.523 m/s

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: deltaV: [387.808, 1.510, -1,399.555] = 1,452.292 m/s

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: burnUT: 382d 04h 47m 53s from now

Transfer from Kerbin to Jool

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: From Kerbin at UT 44m 40s

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: Makeing transfer at UT 44m 40s

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: synodicPeriod = 1y 041d 01h 01m 41s

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: lastApsisPhaseAngle = -131.580

[Info : Unity Log] Searching for transfer window between 0s and 1y 274d 04h 32m 32s from now

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -115.032

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -98.803

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -82.673

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -66.496

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -50.048

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -33.156

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -15.680

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = 2.459

[Info : Unity Log] Found transfer window between 163d 03h 03m 35s and 186d 05h 12m 40s from now (test 8)

[Info : Unity Log] Optimal Time for Transfer: 183d 04h 31m 07s from now

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: idealDeltaV: [-2,391.301, 0.000, 1,167.844] = 2,661.236 m/s

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: idealBurnUT: 183d 04h 31m 07s from now

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: ejectionOrbitInitialVelocity: [-3,000.006, 0.000, -2,844.690 = 4,134.283 m/s]

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: ejectionOrbitFinalVelocity: [-1,753.442, -1,114.977, -1,662.662] = 2,661.236

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: turningAngle: 24.770

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: ejectionPointDirection: [0.775 , 0.000, 0.632]

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: ejectionTrueAnomaly: 0.213

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: burnUT: 183d 04h 12m 44s from now.

[Info : Unity Log] Adding 1 orbital period because idealBurnUT - burnUT > o.period / 2

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: burnUT: 183d 04h 45m 22s from now.

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: ejectionVelocity: [-2,613.036, -4.336, 3,203.797] = 4,134.283 m/s

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: preEjectionVelocity: [-1,434.558, -2.391, 1,769.574] = 2,278.015 m/s

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: deltaV: [-1,178.479, -1.946, 1,434.224] = 1,856.290 m/s

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: burnUT: 183d 04h 45m 22s from now

Transfer from Kerbin to Eeloo

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: From Kerbin at UT 45m 43s

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: Makeing transfer at UT 45m 43s

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: synodicPeriod = 1y 026d 03h 44m 56s

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: lastApsisPhaseAngle = 156.575

[Info : Unity Log] Searching for transfer window between 0s and 1y 252d 05h 37m 24s from now

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = 168.926

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -176.630

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -159.325

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -138.436

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -113.596

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -85.260

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -55.009

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = -25.212

[Info : Unity Log] DeltaVAndTimeForHohmannTransfer: apsisPhaseAngle = 1.942

[Info : Unity Log] Found transfer window between 181d 00h 17m 58s and 203d 04h 05m 13s from now (test 9)

[Info : Unity Log] Optimal Time for Transfer: 201d 05h 44m 15s from now

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: idealDeltaV: [-2,636.432, 0.000, 495.654] = 2,682.619 m/s

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: idealBurnUT: 201d 05h 44m 15s from now

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: ejectionOrbitInitialVelocity: [-2,957.050, 0.000, -2,909.023 = 4,148.079 m/s]

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: ejectionOrbitFinalVelocity: [-1,739.881, -1,113.374, -1,711.623] = 2,682.619

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: turningAngle: 24.521

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: ejectionPointDirection: [0.576 , 0.000, 0.817]

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: ejectionTrueAnomaly: 0.486

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: burnUT: 201d 05h 29m 08s from now.

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: ejectionVelocity: [-3,390.883, -3.969, 2,389.238] = 4,148.079 m/s

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: preEjectionVelocity: [-1,851.152, -2.184, 1,322.581] = 2,275.080 m/s

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: deltaV: [-1,539.731, -1.785, 1,066.657] = 1,873.108 m/s

[Info : Unity Log] DeltaVAndTimeForInterplanetaryTransferEjection: burnUT: 201d 05h 29m 08s from now

Advanced Transfers