## correlation\_matrix

-1.48654e-08 -5.74911e-07 -1.52144e-08 -0.00020504 -1.80533e-07 -2.44933e-07 -2.29303e-08 1.41729e-10 1 -3.07904e-06  4.85114e-09 -7.99096e-09 -2.97126e-09 -4.25173e-07 -2.65546e-09 -2.23919e-08 2.41024e-10 1 1.41729e-10 -7.30587e-08  6.29579e-08 -9.50459e-07 -4.10165e-08 -0.000338867 -2.99956e-07 -4.77954e-07 1 2.41024e-10 -2.29303e-08 -5.09371e-06  8.23239e-06 -1.08588e-05 -1.10028e-06 -0.000656511 -3.42089e-06 1 -4.77954e-07 -2.23919e-08 -2.44933e-07 -7.264e-05  1.11601e-07 -7.51219e-06 -2.36003e-07 -0.00269512 1 -3.42089e-06 -2.99956e-07 -2.65546e-09 -1.80533e-07 -4.03626e-05  -0.00287451 -0.00855624 0.000154949 1 -0.00269512 -0.000656511 -0.000338867 -4.25173e-07 -0.00020504 -0.0433873  -5.65956e-07 -7.50955e-07 1 0.000154949 -2.36003e-07 -1.10028e-06 -4.10165e-08 -2.97126e-09 -1.52144e-08 -7.72073e-06  3.56032e-07 1 -7.50955e-07 -0.00855624 -7.51219e-06 -1.08588e-05 -9.50459e-07 -7.99096e-09 -5.74911e-07 -0.000128142  1 3.56032e-07 -5.65956e-07 -0.00287451 1.11601e-07 8.23239e-06 6.29579e-08 4.85114e-09 -1.48654e-08 1.47215e-05	1.47215e-05	-0.000128142	-7.72073e-06	-0.0433873	-4.03626e-05	-7.264e-05	-5.09371e-06	-7.30587e-08	-3.07904e-06	1
4.85114e-09 -7.99096e-09 -2.97126e-09 -4.25173e-07 -2.65546e-09 -2.23919e-08 2.41024e-10	_									
6.29579e-08 -9.50459e-07 -4.10165e-08 -0.000338867 -2.99956e-07 -4.77954e-07	-1.48654e-08	-5.74911e-07	-1.52144e-08	-0.00020504	-1.80533e-07	-2.44933e-07	-2.29303e-08	1.41729e-10	1	-3.07904e-06
8.23239e-06 -1.08588e-05 -1.10028e-06 -0.000656511 -3.42089e-06	4.85114e-09	-7.99096e-09	-2.97126e-09	-4.25173e-07	-2.65546e-09	-2.23919e-08	2.41024e-10	1	1.41729e-10	-7.30587e-08
1.11601e-07 -7.51219e-06 -2.36003e-07 -0.00269512	 6.29579e-08	-9.50459e-07	-4.10165e-08	-0.000338867	-2.99956e-07	-4.77954e-07	1	2.41024e-10	-2.29303e-08	-5.09371e-0
-0.00287451 -0.00855624 0.000154949 1 -0.00269512 -0.000656511-0.000338867 -4.25173e-07 -0.00020504 -0.0433873 -5.65956e-07 -7.50955e-07 1 0.000154949 -2.36003e-07 -1.10028e-06 -4.10165e-08 -2.97126e-09 -1.52144e-08 -7.72073e-0	 8.23239e-06	-1.08588e-05	-1.10028e-06	-0.000656511	-3.42089e-06	1	-4.77954e-07	-2.23919e-08	-2.44933e-07	-7.264e-05
5.65956e-07 -7.50955e-07	 1.11601e-07	-7.51219e-06	-2.36003e-07	-0.00269512	1	-3.42089e-06	-2.99956e-07	-2.65546e-09	-1.80533e-07	-4.03626e-0
	-0.00287451	-0.00855624	0.000154949	1	-0.00269512	-0.000656511	-0.000338867	-4.25173e-07	-0.00020504	-0.0433873
	 5.65956e-07	-7.50955e-07	1	0.000154949	-2.36003e-07	-1.10028e-06	-4.10165e-08	-2.97126e-09	-1.52144e-08	-7.72073e-0
	3.56032e-07	1	-7.50955e-07	-0.00855624	-7.51219e-06	-1.08588e-05	-9.50459e-07	-7.99096e-09	-5.74911e-07	-0.00012814
	1	3.56032e-07	-5.65956e-07	-0.00287451	1.11601e-07	8.23239e-06	6.29579e-08	4.85114e- <b>0</b> 9	-1.48654e-08	1.47215e-0