correlation_matrix

| 1.34058e-11 | 1.38327e-05 | 6.54825e-05 | -0.0136574 | 4.35719e-06 | -5.18311e-06 | 3.62658e-07 | 3.30877e-07 | 1 |
|------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------|
| <u> </u> | | | | | | | | _ |
| 3.84104e-14 | 2.4538e-08 | 1.1616e-07 | -2.4227e-05 | 7.73094e-09 | -9.19438e-09 | 6.43321e-10 | 1 | 3.30877e-07 |
| | | | | | | | | |
| 4.21008e-14 | 2.68965e-08 | 1.27319e-07 | -2.65539e-05 | 8.47165e-09 | -1.00791e-08 | 1 | 6.43321e-10 | 3.62658e-07 |
| — 6.01714e-13 | -3.84382e-07 | -1.81962e-06 | 0.00037951 | -1.21077e-07 | 1 | -1.00791e-08 | -9.19438e-09 | -5.18311e-06 |
| 5.05832e-13 | 3.23132e-07 | 1.52967e-06 | -0.000319036 | 1 | -1.21077e-07 | 8.47165e-09 | 7.73094e-09 | 4.35719e-06 |
| | -0.00101284 | -0.00479466 | 1 | -0.000319036 | 0.00037951 | -2.65539e-05 | -2.4227e-05 | -0.0136574 |
| 3.42844e-12 | 4.85619e-06 | 1 | -0.00479466 | 1.52967e-06 | -1.81962e-06 | 1.27319e-07 | 1.1616e-07 | 6.54825e-05 |
| 2.4823e-12 | 1 | 4.85619e-06 | -0.00101284 | 3.23132e-07 | -3.84382e-07 | 2.68965e-08 | 2.4538e-08 | 1.38327e-05 |
| _ | | 0.4004440 | 4 5055- 00 | E 059226 42 | -6.01714e-13 | 4 240090 44 | 3.84104e-14 | 1.34058e-11 |