

Additional files

Additional file 1 – Appendix A

The expression Squared Pearson Correlation Coefficient (SPCC) is:

$$SPCC(\%) = CORR^2 * 100$$

$$\text{with } CORR = \frac{\text{cov}(r(t), y(t))}{\sqrt{\text{cov}(r(t), r(t)) * \text{cov}(y(t), y(t))}},$$

The expression Normalized Root Mean Squared Tracking Error (NRMSTE) is:

$$NRMSTE(\%) = \frac{\sqrt{\sum_1^N (r(t) - y(t))^2}}{\max(r(t)) - \min(r(t))} * 100,$$

where N is the number of samples, cov denotes covariance, and $r(t)$ and $y(t)$ are the reference and generated trajectory, respectively.