t_1 t_2 t_2 t_3 t_3 t_4

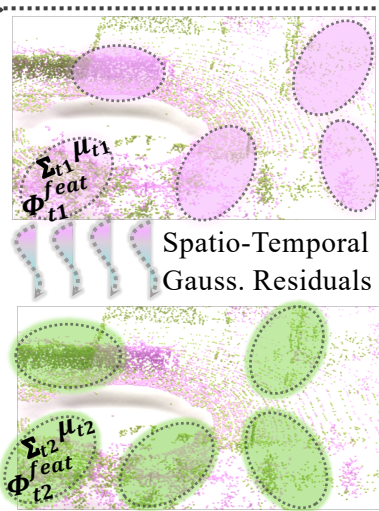
RBF Activator:
$$\tilde{\zeta}_i^{rbf}(t_2) = W_{rbf} \cdot \frac{\exp\left(-\frac{(t-c_i)^2}{2s_i^2}\right)}{\sum_{j=1}^N \exp\left(-\frac{(t-c_j)^2}{2s_j^2}\right)} \quad \longleftarrow S: \text{RBF Scales} \\ \longleftarrow C: \text{RBF Center}$$

Gaussian Interpolator:
$$\Delta\mu_{t_1\rightarrow t_2}^{(\theta)}, \text{vec}(\Delta R_{t_1\rightarrow t_2})^{(\theta)} = \sum_{i=1}^M \tilde{\zeta}_i^{rbf}(t_2) \cdot (\mu_i^{t_1}, \text{vec}(R_i^{t_1}))$$

Feature Interpolator:
$$\Sigma_{t_2} = \Delta R_{t_1\rightarrow t_2}\Sigma_{t_1}\Delta R_{t_1\rightarrow t_2}^T, \Delta\Phi_{t_1\rightarrow t_2}^{feat} = \sum_{i=1}^M \tilde{\zeta}_i^{rbf}(t_2) \cdot \Phi_i^{feat}$$

Σ_{t1} μ_{i1}
Φ_{t1}^{feat}

Spatio-Temporal Gauss. Residuals

Σ_{t2} μ_{i2}
Φ_{t2}^{feat}

Gaussian Sphere at t_1

Gaussian Sphere at t_2

μ_t Gaussian Mean

Σ Gaussian Covariance

Φ_t^{feat} Gaussian Features

R Rotation Matrix