

The domain normalizer:

$$\bar{\chi}(t) = \frac{\chi(t)}{\|\chi_{\max} - \chi_{\min}\|_2},$$

where  $0 \leq t < T$  and

$$\chi_{\min} = (\min\{x_1(t)\}, \dots, \min\{x_d(t)\})^T,$$

$$\chi_{\max} = (\max\{x_1(t)\}, \dots, \max\{x_d(t)\})^T.$$

The domain unnormalizer:

$$\chi(t) = \bar{\chi}(t)\|\chi_{\max} - \chi_{\min}\|_2$$