$$\frac{d \left[\text{eta1}\right](t)}{d\eta(t)} = \underbrace{\left[\frac{\text{drift\_eta1\_eta1}}{\mathbf{A}} \underbrace{\left[\text{eta1}\right](t) + \left[0\right]}_{\mathbf{D}}\right]}_{\mathbf{A}} dt + \underbrace{\left[\frac{\text{diffusion\_eta1\_eta1}}{\mathbf{A}} \underbrace{\left[W_{1}\right](t)}_{\mathbf{d}\mathbf{W}(t)}\right]}_{\mathbf{G}} d\mathbf{W}(t)$$

$$\underbrace{\left[\frac{W_{1}}{\mathbf{M}} \underbrace{\left[(t+u) - \left[W_{1}\right](t) - \mathbf{N}\left(\left[0\right], \left[\text{u-t}\right]\right)}_{\mathbf{W}(t+u)}\right]}_{\mathbf{W}(t+u)} - \underbrace{\left[\frac{\mathbf{M}}{\mathbf{M}} \underbrace{\left[(t+u) - \left[\mathbf{M}\right](t) + \left[\text{manifestmeans\_weight}\right] + \left[\epsilon_{1}\right](t)}_{\mathbf{M}}\right]}_{\mathbf{M}} + \underbrace{\left[\frac{\mathbf{M}}{\mathbf{M}} \underbrace{\left[(t+u) - \left[\mathbf{M}\right](t) + \left[\mathbf{M}}_{\mathbf{M}} \underbrace{\left[\mathbf{M}}_{\mathbf{M}} \underbrace{\left[\mathbf{M}\right](t) + \left[\mathbf{M}}_{\mathbf{M}} \underbrace{\left[\mathbf{M}}_{\mathbf$$