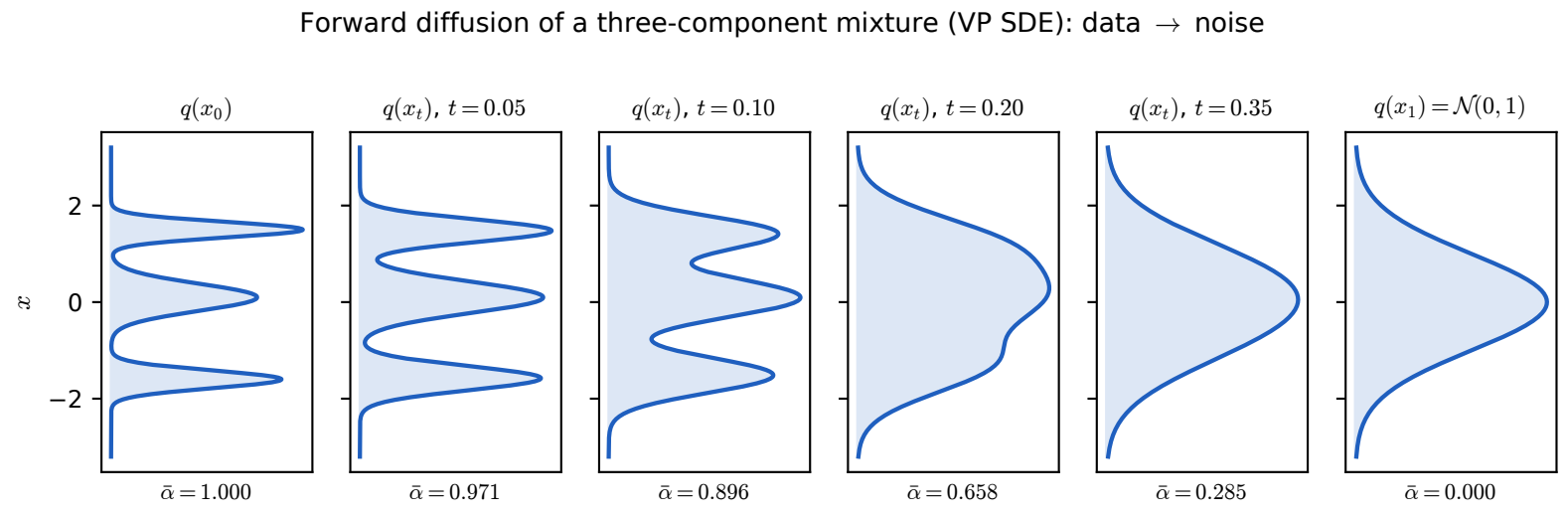

Forward diffusion of a three-component mixture (VP SDE): data → noise
$q(x_0)$
$q(x_t)$, $t = 0.05$
$q(x_t)$, $t = 0.10$
$q(x_t)$, $t = 0.20$
$q(x_t)$, $t = 0.35$
$q(x_1) = \mathcal{N}(0, 1)$
x
2
0
−2
$\bar{\alpha} = 1.000$
$\bar{\alpha} = 0.971$
$\bar{\alpha} = 0.896$
$\bar{\alpha} = 0.658$
$\bar{\alpha} = 0.285$
$\bar{\alpha} = 0.000$