

$$\Omega = dv \, dx \tag{1}$$

$$\Phi_L = f(x, v, t) \, v \, dv \tag{2}$$

$$\Phi_R = f(x + dx, v, t) \, v \, dv \tag{3}$$

$$\Phi_B = f(x, v, t) \, a(x, v, t) \, dx \tag{4}$$

$$\Phi_T = f(x, v + dv, t) \, a(x, v + dv, t) \, dx \tag{5}$$

$$(x, v) \tag{6}$$

$$dx \tag{7}$$

$$dv \tag{8}$$

$$d\Omega \tag{9}$$

$$d\Omega_1 \tag{10}$$

$$d\Omega_2 \tag{11}$$

$$(x + dx, v + dv) \tag{12}$$

$$x \tag{13}$$

$$v \tag{14}$$

$$\delta v \tag{15}$$

$$\delta v_1 + \delta v \tag{16}$$

$$\delta v_2 - \delta v \tag{17}$$