ERB

$$\Delta s_x(t_0,t) = vx\,.\Delta t(t_0,t)$$

EVRB

$$\Delta s_x(t_0,t) = v_x(t_0).\Delta t(t_0,t) + \frac{a_x.\Delta t^2(t_0,t)}{2}$$

$$\Delta s_x(t_0,t) = \frac{v_x(t_0)+v_x(t)}{2}.\Delta t(t_0,t)$$

$$\Delta s_x(t_0,t) = \frac{{v_x}^2(t)-{v_x}^2(t_0)}{2a_x}$$

$$(g_y)\ a_x = \frac{v_x(t)-\ v_x(t_0)}{\Delta t(t_0,t)}$$

$$Y = *\,.X^2 + *.X + *$$

EVCB $\quad v\ =\ \pi\,.d\,.n \qquad \omega = 2\,.\pi\,.n \qquad v =\ \omega\,.r$

$$\pi\,.d\ \left(\frac{m}{tr}\right) \quad n\ \left(\frac{tr}{min}\right)\ \ 2\,.\pi\ \left(\frac{rad}{tr}\right) \quad \omega\left(\frac{rad}{min}\right)$$

$$a_t = \frac{v(t)-\ v(t_0)}{\Delta t(t_0,t)}$$

$$\alpha_z = \frac{\omega_z(t)-\ \omega_z(t_0)}{\Delta t(t_0,t)}$$

$$a_t =\ \alpha_z\,.r$$

$$k(t_0,t) = \frac{\Delta\theta_z(t_0,t)}{2\pi}$$

$$\Delta\theta_z(t_0,t) = \omega_z(t_0).\Delta t(t_0,t) + \frac{\alpha_z.\Delta t^2(t_0,t)}{2}$$

$$\Delta\theta_z(t_0,t) = \frac{\omega_z(t_0)+\omega_z(t)}{2}.\Delta t(t_0,t)$$

$$\Delta\theta_z(t_0,t) = \frac{{\omega_z}^2(t)-{\omega_z}^2(t_0)}{2\alpha_z}$$

$$a_t\ (m/s^2) \qquad \alpha_z\left(\frac{rad}{s^2}\right) \qquad \omega_z\left(\frac{rad}{s}\right) \qquad \Delta\theta_z(t_0,t_1)\ (rad) \qquad k(t_0,t)(toeren)$$