

$$g_1(\tau)$$

$$g_2(t_3 - \tau)$$

$$\tau$$

$$g_1(\tau)g_2(t_3 - \tau)$$

$$\tau$$

$$(g_1 * g_2)(t) = \int_{-\infty}^{\infty} g_1(\tau)g_2(t - \tau)d\tau$$

$$t$$

$$g_1 * g_2)(t_3)$$