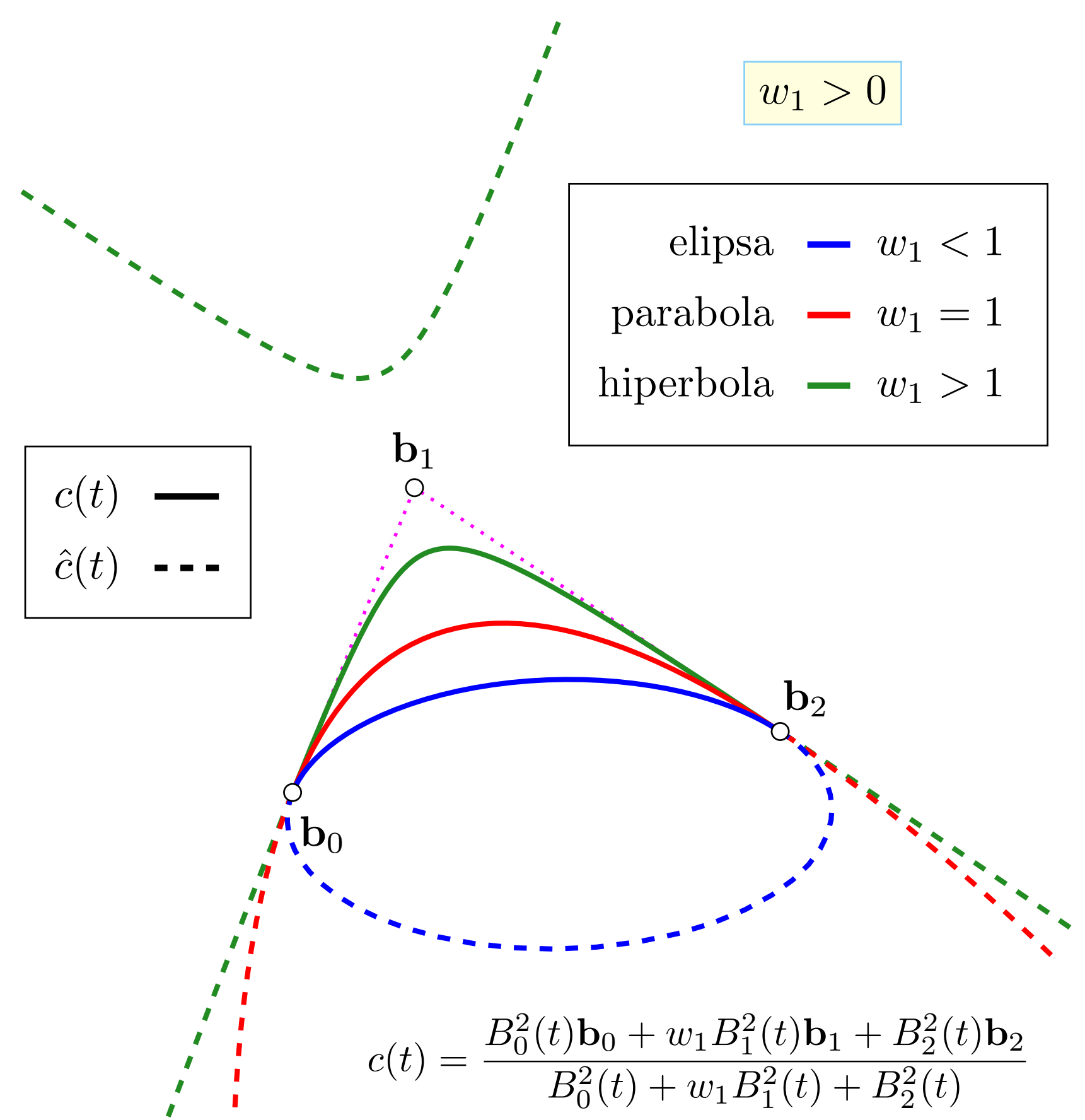

$$c(t) = \frac{B_0^2(t)\mathbf{b}_0 + w_1 B_1^2(t)\mathbf{b}_1 + B_2^2(t)\mathbf{b}_2}{B_0^2(t) + w_1 B_1^2(t) + B_2^2(t)}$$

$$\hat{c}(t) = \frac{B_0^2(t)\mathbf{b}_0 - w_1 B_1^2(t)\mathbf{b}_1 + B_2^2(t)\mathbf{b}_2}{B_0^2(t) - w_1 B_1^2(t) + B_2^2(t)}$$