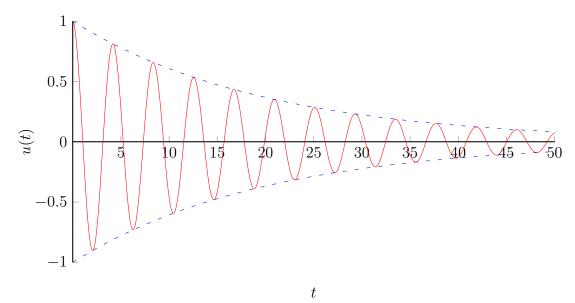
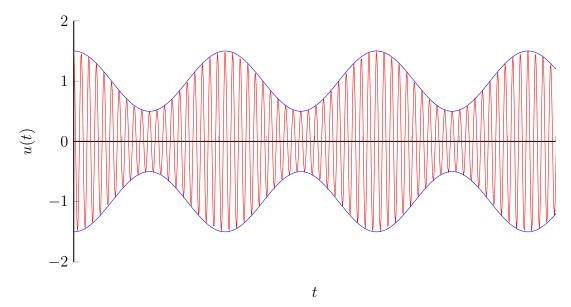
Exponential sinusoidal decay, function: $u(t) = e^{-0.05t} \cos(1.5t)$, samples = 2001



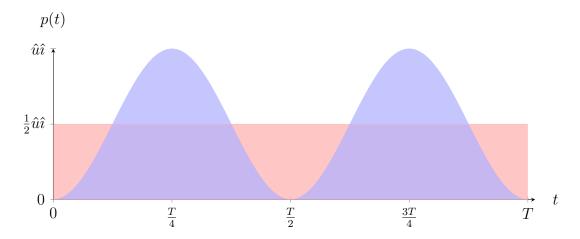
AM modulation, function: $u(t) = (1 + 0.5\cos t) \cdot \cos(20t)$, samples: 2001



Effective power: function: $p(t) = \hat{u}\hat{i}\sin^2 \omega t \ (\cos \varphi = 1)$, samples = 101

$$p(t) = u(t) \cdot i(t) = \hat{u}\sin(\omega t) \cdot \hat{i}\sin(\omega t)$$
$$= \hat{u}\hat{i}\sin^2(\omega t)$$

$$P_{gem} = \frac{\hat{u}\hat{i}}{T} \int_0^T \sin^2(\omega t) dt$$
$$= \frac{1}{2} \hat{u}\hat{i}$$



Complex spiral, function: $\underline{z} = e^{-0.05\varphi}(\cos\varphi + j\sin\varphi)$, samples = 301

