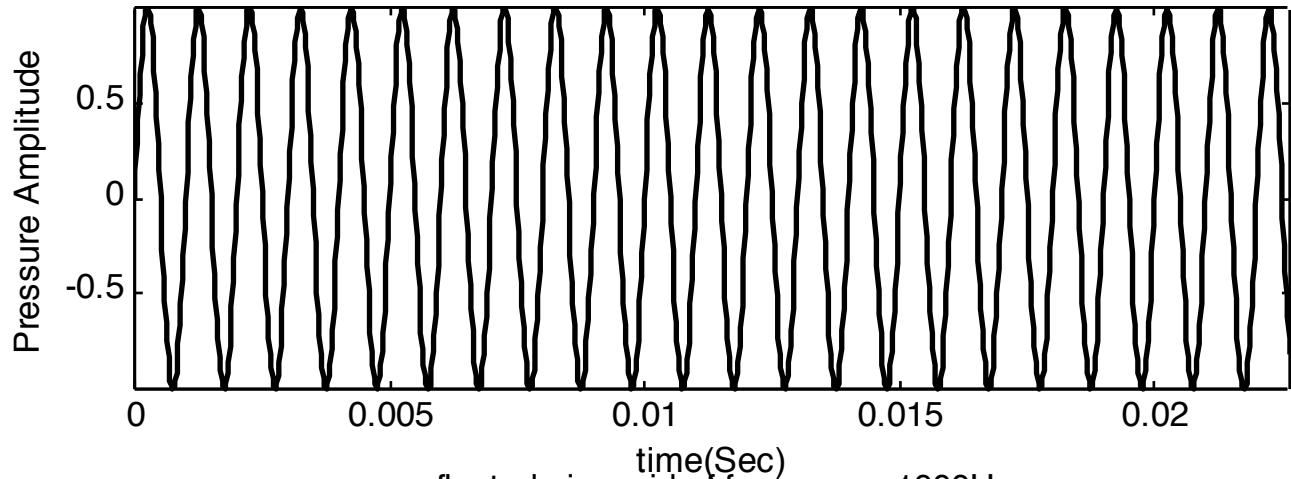Direct sinusoid of frequency=1000Hz

reflected sinusoid of frequency=1000Hz