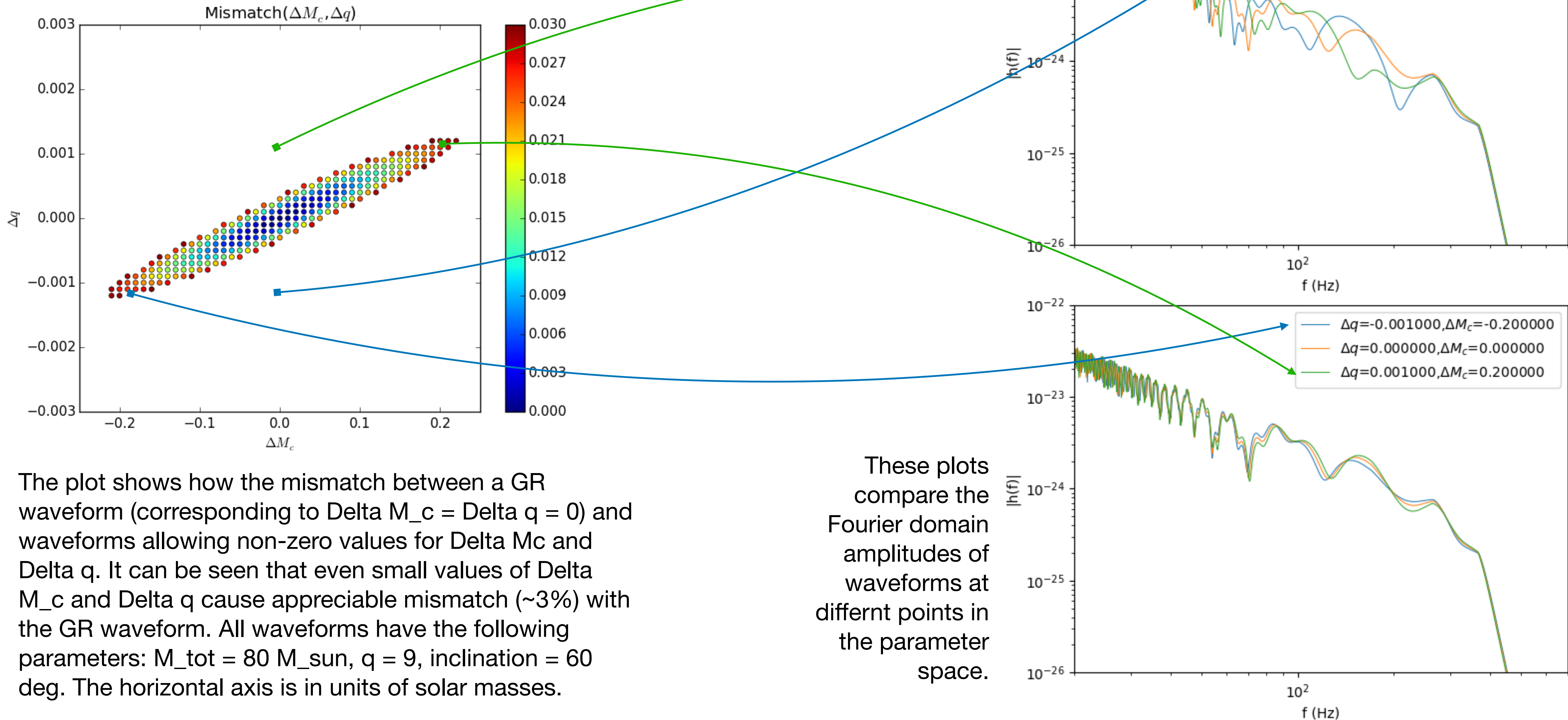


# Mismatch between GR waveforms and waveforms allowing non-zero values of $\Delta M_c$ and $\Delta q$



The plot shows how the mismatch between a GR waveform (corresponding to  $\Delta M_c = \Delta q = 0$ ) and waveforms allowing non-zero values for  $\Delta M_c$  and  $\Delta q$ . It can be seen that even small values of  $\Delta M_c$  and  $\Delta q$  cause appreciable mismatch ( $\sim 3\%$ ) with the GR waveform. All waveforms have the following parameters:  $M_{\text{tot}} = 80 M_{\text{sun}}$ ,  $q = 9$ , inclination = 60 deg. The horizontal axis is in units of solar masses.