

Figure 10 is a line graph showing the time evolution of the force components $Fr1x$, $Fr1y$, $Fr2x$, $Fr2y$, $F2x$, $F2y$, $F4x$, and $F4y$ over a time interval from 0.0 to 1.0 seconds. The y-axis ranges from -10 to 8. The graph shows several curves: $Fr1x$ (blue) peaks at ~7.8; $Fr1y$ (green) peaks at ~4.5; $Fr2x$ (red) is near 0; $Fr2y$ (cyan) is near 0; $F2x$ (magenta) dips to ~-4.5; $F2y$ (olive) dips to ~-9.0; $F4x$ (black) peaks at ~4.5; $F4y$ (blue) dips to ~-4.5.

