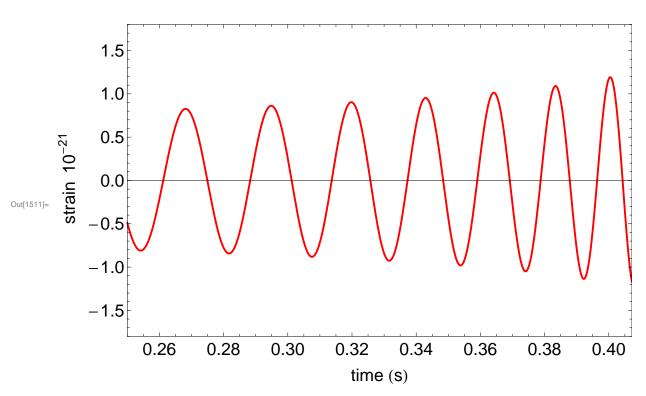
```
H1 = ListPlot[Import["D:\\GW150914.txt", "Table"],
                                                                                                       ImageSize \rightarrow 600, Frame \rightarrow True, Joined \rightarrow True,
                                                                                                       \texttt{PlotRange} \rightarrow \{\{\texttt{0.245},\, \texttt{0.465}\},\, \{\texttt{-1.8},\, \texttt{1.8}\}\},\, \texttt{BaseStyle} \rightarrow \{\texttt{FontFamily} \rightarrow \texttt{"Arial"},\, \texttt{18}\},\, \texttt{MasseStyle} \rightarrow \texttt{Ma
                                                                                                       PlotStyle → {Blue, Thickness[Medium]}]
                                                                                                                                                          1.5
                                                                                                                                                          1.0
                                                                                                                                                          0.5
                                                                                                                                                          0.0
Out[1499]=
                                                                                                                                     -0.5
                                                                                                                                    -1.0
                                                                                                                                     -1.5
                                                                                                                                                                                              0.25
                                                                                                                                                                                                                                                                                                                                                                                                    0.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        time (s)
```

```
In[1500]:=
        ClearAll[f0, m1, m2, mchirp, M, r, d];
        mchirp[m1_, m2_] = (m1 m2) ^ (3 / 5) (m1 + m2) ^ (-1 / 5);
        M = mchirp[m1, m2] * 4.92549095 * 10^(-6);
        d = r * 1.0292712503 * 10^8;
        tmerg[M_, f0_] = 5 (256 (N[\pi] f0) ^{(8/3)} M^{(5/3)}) ^{(-1)};
        F[M_, f0_, t_] =
          (M (f0)^9)^(1/8) ((M f0)^(1/3) - 256 f0^3 M^2 N[\pi]^(8/3) ((t-0.25)/5))^(-3/8);
        Angle[M_{-}, f0_{-}, t_{-}] = -2((256(N[\pi] Mf0)^{(8/3)})^{(-1)} - ((t-0.25)/(5M)))^{(5/8)};
        Amplitude [M_{-}, f0_{-}, d_{-}, t_{-}] = 4 M^{(5/3)} N[\pi]^{2/3} (F[M, f0, t])^{(2/3)} d^{(-1)};
        m1 = 36;
        m2 = 29;
        f0 = 35;
        r = 410 * 10^6;
        H2 = Plot[{Amplitude[M, f0, d, t] * Cos[Angle[M, f0, t]] * 10^21}, {t, 0.25, 0.4072},
           PlotRange \rightarrow \{\{0.25, 0.4072\}, \{-1.8, 1.8\}\}, PlotStyle \rightarrow \{Red, Thickness[Large]\}, \{-1.8, 1.8\}\}, PlotStyle \rightarrow \{Red, Thickness[Large]\}, \{-1.8, 1.8\}\}
           Frame \rightarrow True, ImageSize \rightarrow 600, BaseStyle \rightarrow {FontFamily \rightarrow "Arial", 18},
           \label{time substitute} \texttt{FrameLabel} \rightarrow \{\texttt{"time (s)", (Subsuperscript["10", "", "-21"]) " strain "}\}]
```



```
In[1528]:=
```

