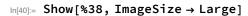
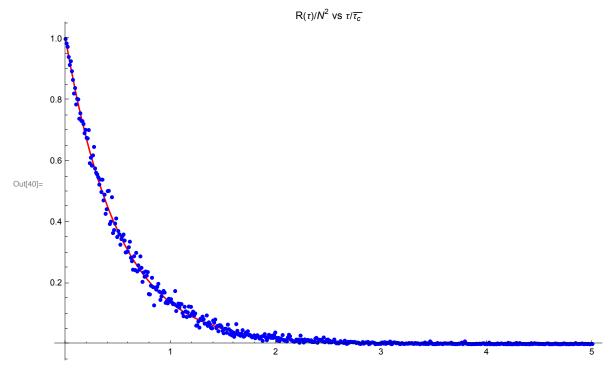
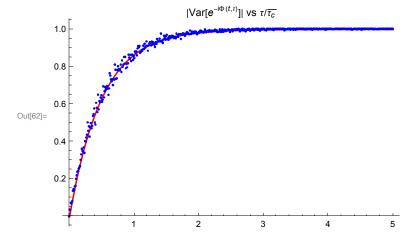
```
In[1]:= τc[τcbar_] := τcbar * Log[1 / (1 - RandomReal[])]
 \label{eq:local_local_local} $$\inf[\tau_{-}, \tau_{c}, N_{-}] := Table[\tau_{c}[\tau_{c}] < \tau, N_{-}]$$
In[21]:= ephiave[t_, τcbar_, N_] :=
        Mean[Exp[-i*If[#, 2\pi*RandomReal[{-1, 1}], 0] \& /@phaseshift[t, \taucbar, N]]]
In[42]:= absephivar[t_, τcbar_, N_] := Abs[
         Variance[Exp[-i*If[#, 2\pi*RandomReal[{-1, 1}], 0] & /@phaseshift[t, \taucbar, N]]]]
In[50]:= tmin = 0;
      tmax = 5;
      tstep = 0.01;
      n = 1000;
      \taucbar = 1;
      ephi2 = Table[{t, Abs[ephiave[t, τcbar, n]]^2}, {t, tmin, tmax, tstep}];
      absephivarTable = Table[{t, absephivar[t, rcbar, n]}, {t, tmin, tmax, tstep}];
log_{3} = Show[Plot[Exp[-2t/\tau cbar], \{t, tmin, tmax\}, PlotStyle \rightarrow Red, PlotRange \rightarrow All,
         PlotLabel \rightarrow "R(\tau)/N<sup>2</sup> vs \tau/\overline{\tau_c}", ListPlot[ephi2, PlotStyle \rightarrow Blue]
                                R(\tau)/N^2 vs \tau/\overline{\tau_c}
      1.0
      0.8
      0.6
Out[38]=
      0.4
      0.2
```





 $\label{eq:local_local_local_local_local} $$\inf\{\text{Plot}[1-\text{Exp}[-2\,\text{t}/\tau cbar], \{\text{t, tmin, tmax}\}, \text{ PlotStyle} \rightarrow \text{Red,} $$\\ \text{PlotRange} \rightarrow \text{All, PlotLabel} \rightarrow "|\text{Var}[e^{-i\bar{\sigma}\;(t,\tau)}]| \text{ vs } \tau/\overline{\tau_c}"], $$\\ \text{ListPlot}[absephivarTable, PlotStyle} \rightarrow \text{Blue}]$$$



In[63]:= Show[%62, ImageSize → Large]

