

```
dir = NotebookDirectory[]
SetDirectory[dir];

/Users/stefanhallermann/Desktop/github/parallel/out/
```

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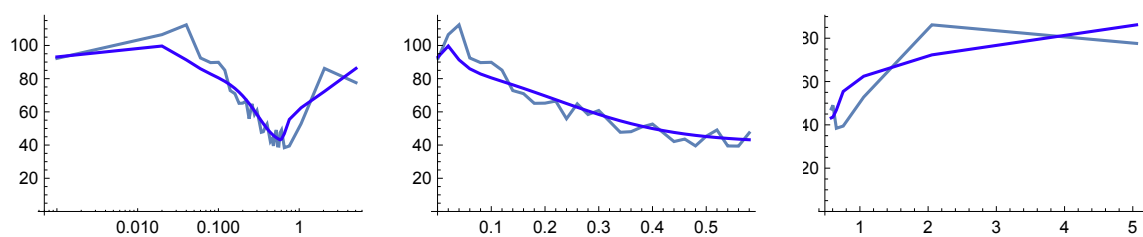
## traces

```
time300 = Flatten[Import["time300.txt", "Table"]];
time300[[1]] += 0.001;
tmp300 = Import["apAmp300.txt", "Table"];
tmpSim300 = Import["apAmp300Sim.txt", "Table"];
numFiles = Length[tmp300[[1, All]]];

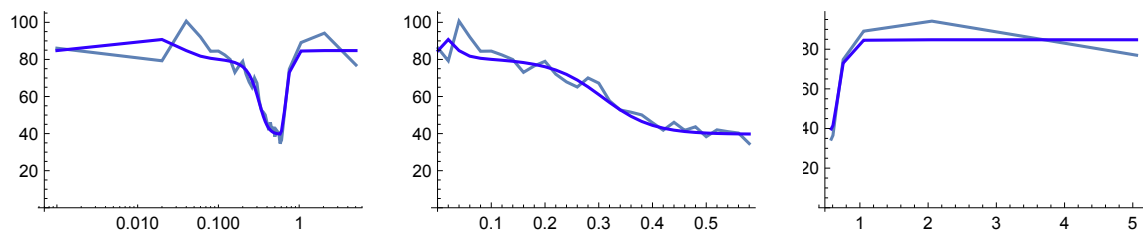
t300t1 = 25;
t300t2 = 34;
train = 30;
plR = {All, All};

For[i = 1, i ≤ numFiles, i += 1,
  amp300 = tmp300[[All, i]];
  ampSim300 = tmpSim300[[All, i]];
  Print["File number: ", i];
  (*log*)
  tmp1 = ListLogLinearPlot[Transpose[{time300, amp300}],
    PlotRange → All, Joined → True, DisplayFunction → Identity];
  tmp2 = ListLogLinearPlot[Transpose[{time300, ampSim300}], PlotRange → All,
    Joined → True, PlotStyle → Hue[0.7], DisplayFunction → Identity];
  gr300 = Show[{tmp1, tmp2}, PlotRange → plR, DisplayFunction → Identity];
  (*train*)
  tmp1 = ListPlot[Take[Transpose[{time300, amp300}], train],
    PlotRange → All, Joined → True, DisplayFunction → Identity];
  tmp2 = ListPlot[Take[Transpose[{time300, ampSim300}], train], PlotRange → All,
    Joined → True, PlotStyle → Hue[0.7], DisplayFunction → Identity];
  gr300tr = Show[{tmp1, tmp2}, PlotRange → plR, DisplayFunction → Identity];
  (*recovery after train*)
  tmp1 = ListPlot[Take[Transpose[{time300, amp300}], {train, Length[time300]}],
    PlotRange → All, Joined → True, DisplayFunction → Identity];
  tmp2 = ListPlot[Take[Transpose[{time300, ampSim300}],
    {train, Length[time300]}], PlotRange → All, Joined → True,
    PlotStyle → Hue[0.7], DisplayFunction → Identity];
  gr300rec = Show[{tmp1, tmp2}, PlotRange → plR, DisplayFunction → Identity];
  Print[GraphicsGrid[{{gr300, gr300tr, gr300rec}}]];
];
```

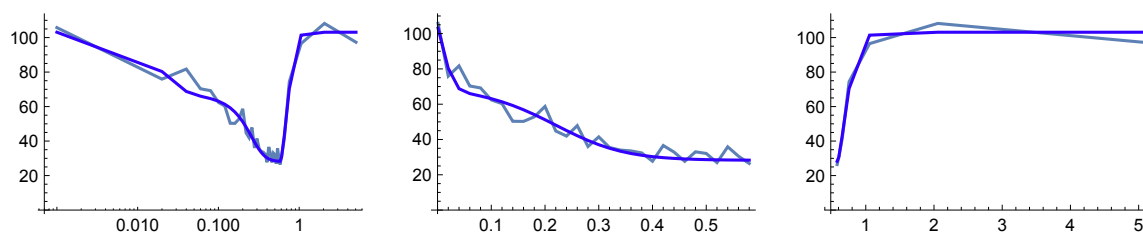
File number: 1



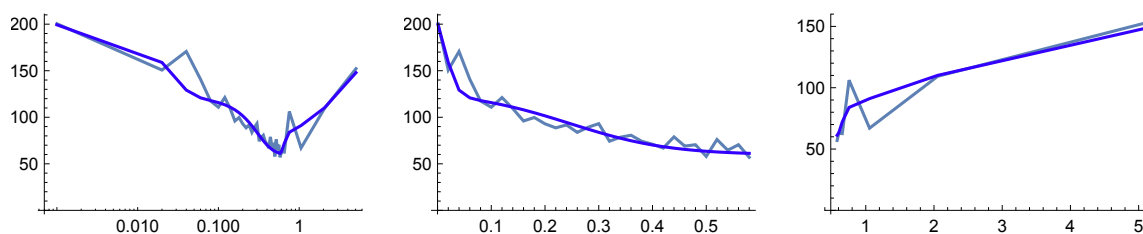
File number: 2



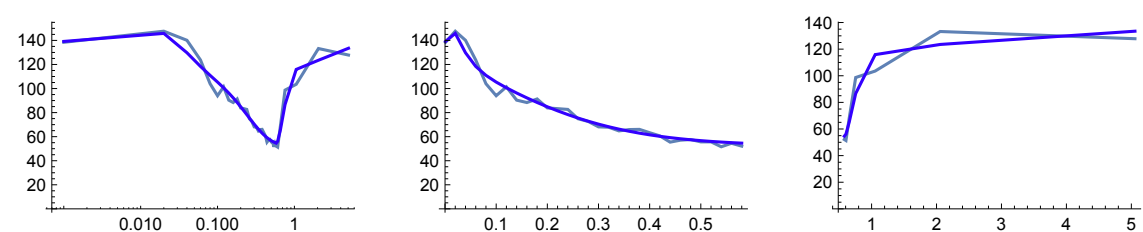
File number: 3



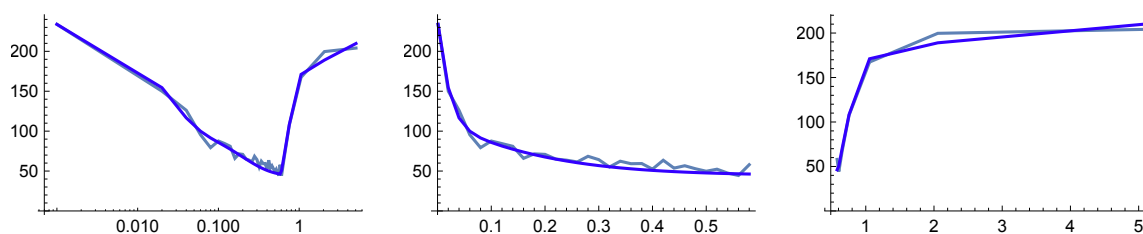
File number: 4



File number: 5



File number: 6



## rates and chi2

```
tmp = Import["rates.txt", "Table"];
Flatten[{{{"n2tot", "n1tot", "U2", "k2", "k1", "chi2_train"}}, tmp}, 1] //
MatrixForm
```

n2tot	n1tot	U2	k2	k1	chi2_train
4.93945	15.9518	0.474224	0.465751	81.7833	15.0561
7.59598	9.88013	0.444882	16.5356	547.541	8.1691
6.57494	6.60393	0.686753	13.131	211.527	4.70488
12.0778	17.0381	0.636626	0.244394	135.691	31.0516
3.00388	27.1286	0.552543	0.438664	30.3038	7.96377
4.18736	24.3987	0.938826	0.304159	19.9093	8.10589