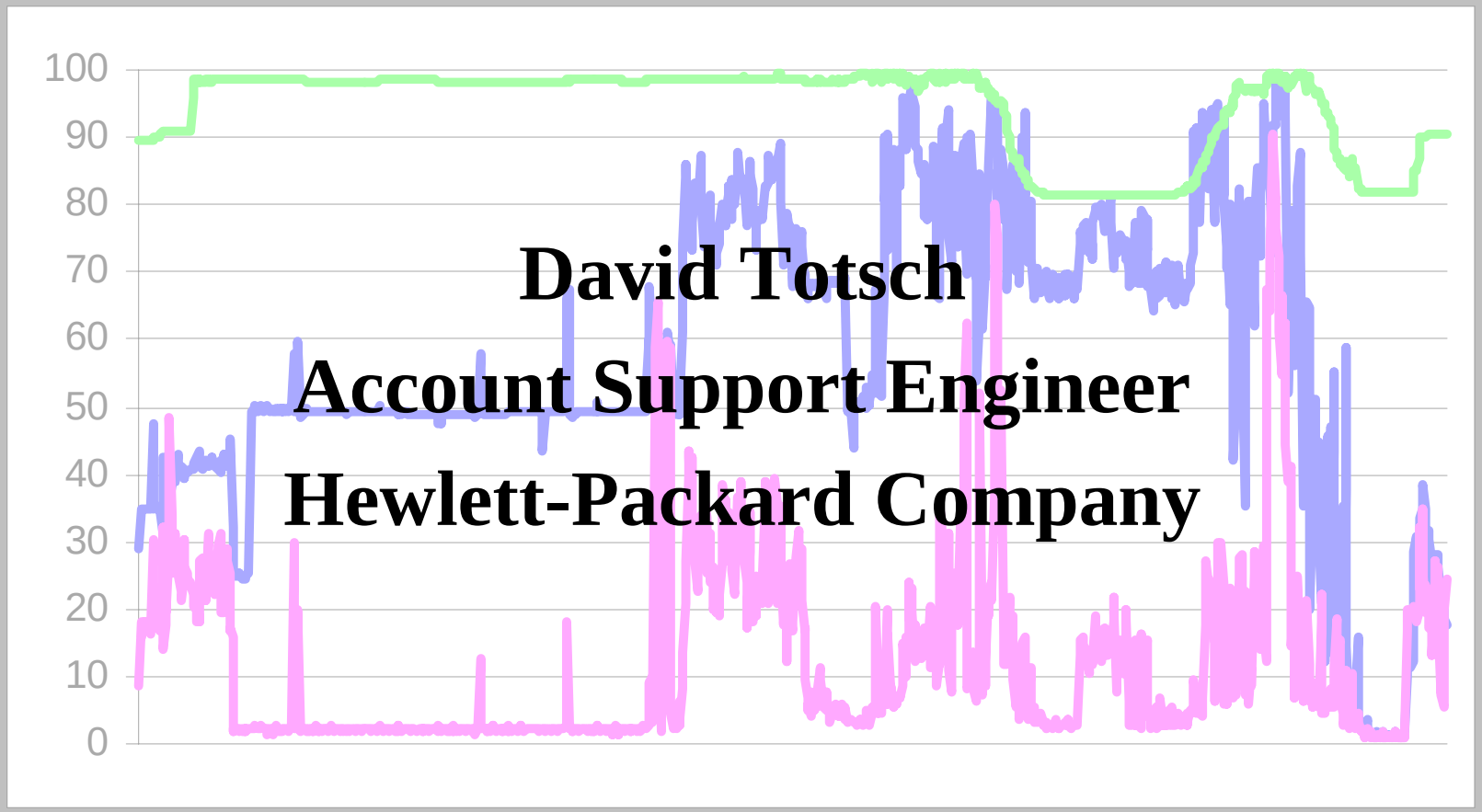
Graphing Performance Data on the Intranet

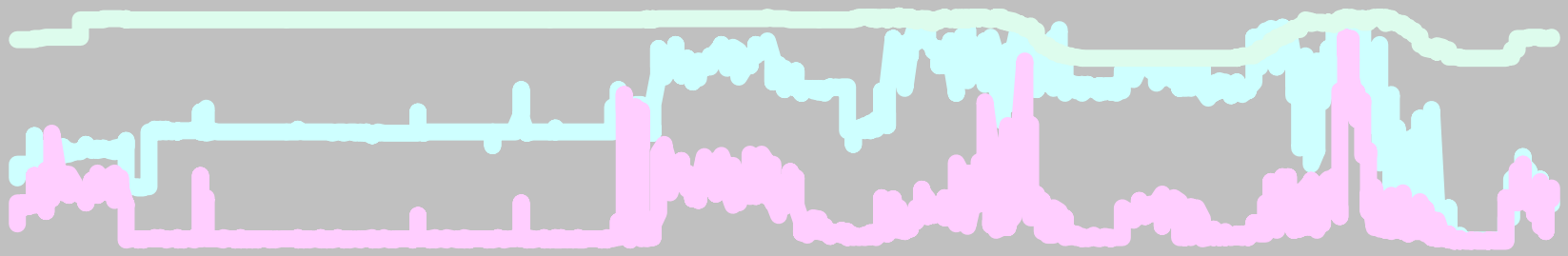


Kava Chart Freeware

http://www.ve.com/

Some simple HTML

```
</applet>
<applet  code=javachart.applet.dateLineApp.class
   archive="javachart/jars/line.jar,
   javachart/jars/date.jar, javachart/jars/base.jar"
   codebase=../../.. width=720 height=320>
   <param name=titleString value="Global Plot">
   <param name=titleFont value="TimesRoman,18,1">

   <param name=xAxisOptions value="gridOn,AutoScale">
   <param name=scalingType value="5">
   <param name=yAxisOptions value="gridOn">
.
.
.
```



```
.
.
.
   <param name=legendHorizontal value="true">
   <param name=legendOn value="true">
   <param name=legendllY value="0.0">
   <param name=dataset0name value="CPU">
   <param name=dataset1name value="Disk">
   <param name=dataset2name value="Memory">

   <param name=customDatasetHandler
   value="../data/XGlobal2.dat">
</applet>
```

Data Format

mm/dd/yy HH:MM:SS,series1,series2,series3

extract(1) format:

mm/dd/yy,HH:MM:SS,series1,series2,series3

Nasty Little Transform

```
sed "s#\([0-9][0-9]/[0-9][0-9]/[0-9][0-9]\),#\1 #"
```

Extract(1) RDFs

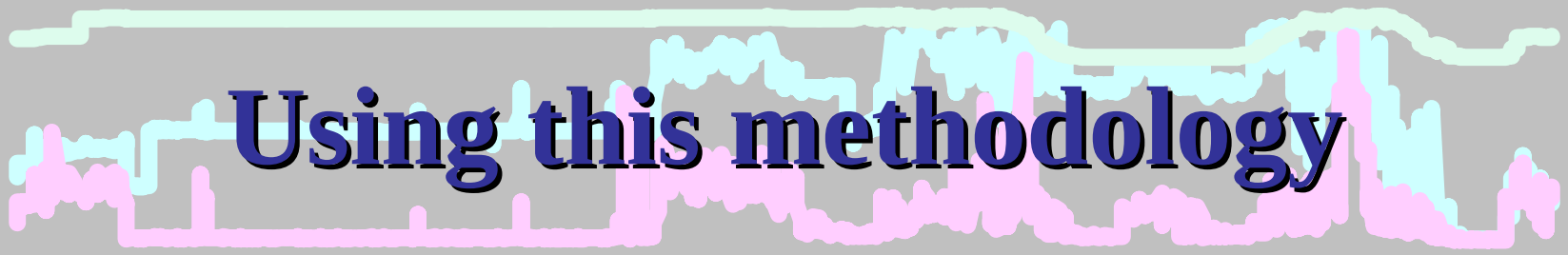
```
FORMAT ASCII
HEADINGS OFF
SEPARATOR=","
SUMMARY=5
MISSING=0

DATA TYPE GLOBAL
LAYOUT MULTIPLE

DATE
TIME

GBL_CPU_TOTAL_UTIL
GBL_DISK_UTIL_PEAK
GBL_MEM_UTIL
```

Running Extract(1)

```
extract      -v                \
             -xp               \  extract for export
             -adgn             \  app,disk,global,net
             -r global.rdf     \
             -f global.out     \
             ${LOGFILE}
```

What we wind up with...

```
05/20/00 00:00, 28.96,  8.70, 89.71,
05/20/00 00:05, 34.87, 18.08, 89.72,
05/20/00 00:10, 34.93, 18.17, 89.68,
05/20/00 00:15, 34.78, 15.63, 89.69,
05/20/00 00:20, 34.98, 18.04, 89.70,
05/20/00 00:25, 34.96, 17.79, 89.68,
05/20/00 00:30, 34.96, 18.12, 89.70,
05/20/00 00:35, 34.99, 17.86, 89.72,
05/20/00 00:40, 35.03, 17.73, 89.71,
05/20/00 00:45, 34.95, 16.22, 89.70,
05/20/00 00:50, 35.05, 17.81, 89.72,
05/20/00 00:55, 35.12, 17.07, 89.75,
```



Using this methodology

- Extract(1) can only be run on local host (you will have to transport data)
- Minimize the amount of data sent to the display host (Java has to translate data there)

PerfView Batch

http://www.openview.hp.com/library/papers/Papers_HTML-20.asp