INDUCING A BREAK IN A CURVE IN A SAS/GRAPH+ PLOT
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Introduction

We had a need to display three curves on one plot, placed sequentially across the page. The Y value (vertical axis) contains the measurement value, and the X value (horizontal axis) is a sequential number from 1 to 63. The points 1 through 21 make up the first curve, points 22 through 42 are the second curve, and points 43 through 63 are the third curve.

The Problem

When we first plotted the curves, the last point of the first curve connected with the first point of the second curve, and the last point of the second curve connected with the first point of the third curve. Following is an example:

This was undesirable.

The Fix

We solved the problem by inserting a missing value between the logical break points of the curves, and using the SKIPMISS option on the PLOT statement of the GPLOT procedure. Sample code follows:

```
DATA SPLITUP;
  SET ORIGINAL;
  OUTPUT;
  IF _N_ IN (21, 42) THEN DO;
    Y = .;
```
The result of these inserted missing values is shown in the following plot:

Conclusion

There are other ways to plot three curves "staggered" across a page. For our needs, the SKIPMISS option was the best solution.

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