

tions upon and modifications to the described embodiments are provided for by the present invention, the scope of which is limited only by the following claims:

What is claimed is:

1. A method for presenting data, said data including values of at least one dependent parameter expressed as a function of an ordered independent parameter, said method comprising the steps of:

defining at least one criterion for evaluating said values of said dependent parameter;
selecting values of a first display range of said independent parameter for display;
selecting a first set of off-display values of said independent parameter, said values of said first display range and said first set of off-display values being mutually exclusive;
displaying those values of said dependent parameter corresponding to values of said independent parameter within said first display range;
evaluating values of said dependent parameter corresponding to values of said independent parameter within said first set of off-display values according to said at least one criterion; and
indicating whether or not said set of off-display values contains at least one value of said dependent parameter determined during said step of evaluating to meet said criterion.

2. A method as recited in claim 1 wherein said indicating step involves displaying an indicator when said set of off-display values contains at least one value of said dependent parameter that meets said criterion.

3. A method as recited in claim 2 further comprising the step of activating said indicator so as to display values of a second display range including at least one value of said dependent parameter meeting said criterion.

4. A method as recited in claim 3 further comprising the step of:
when said indicator indicates that said set of off-display values contains at least one value of said dependent parameter that meets said criterion, activating said indicator so as to display those values of said dependent parameter corresponding to values of said independent parameter within said second display range selected so that at least one of the displayed values of said dependent parameter meets said criterion.

5. A method as recited in claim 3 wherein said activating step involves not displaying an intermediate range before displaying said second display range, said intermediate range not containing a value of said dependent parameter that meets said criterion, said intermediate range being between said first display range and said second display range.

6. A method as recited in claim 2 wherein said criterion is whether, for said first set of off-display values of said independent parameter, there is at least one corresponding value of said dependent parameter.

7. A method as recited in claim 2 further comprising defining plural criteria for evaluating said values of said dependent variable.

8. A method as recited in claim 7 further comprising the displaying of plural indicators, each indicator corresponding to a respective criterion.

9. A method of presenting data, said data comprising a first set of values of a first dependent parameter as a function of an ordered independent parameter and a second set of values of a second dependent parameter as

a function of said independent parameter, said method comprising the steps of:

defining a first criterion for evaluating said first set of values of said first dependent parameter;
defining a second criterion for evaluating said second set of values of said second dependent parameter;
selecting values of a first display range of said independent parameter for display;
selecting a first set of off-display values of said independent parameter, said values of said first display range and first set of off-display values being mutually exclusive;
displaying those values of said first and second dependent parameters corresponding to values of said independent parameter within said first display range;
evaluating the first set of values of said first dependent parameter corresponding to values of said independent parameter within said first set of off-display values according to said first criterion;
evaluating the second set of values of said second dependent parameter corresponding to values of said independent parameter within said first set of off-display values according to said second criterion;
indicating whether or not said set of off-display values contains at least one value of said first dependent parameter determined during said step of evaluating the first set of values to meet said first criterion; and
indicating whether or not said set of off-display values contains at least one value of said second dependent parameter determined during said step of evaluation the second set of values to meet said second criterion.

10. A method as recited in claim 9 further comprising activating a first indicator so as to display a second display range including a succeeding value of said first dependent parameter that meets said first criterion, said indicating steps involving displaying said first indicator when said first set of off-display values contains at least one value of said first dependent parameter that meets said first criterion.

11. A method as recited in claim 9 further comprising activating a second indicator so as to display a third display range including a preceding value of said first dependent parameter that meets said first criterion, said indicating steps involving displaying said second indicator when a second set of off-display values of said independent parameter contains at least one value of said first dependent parameter that meets said first criterion, said second set of off-display value being mutually exclusive with both said first display range and said first set of off-display values.

12. A method as recited in claim 9 further comprising activating a third indicator so as to display a fourth display range including a succeeding value of said second dependent parameter that meets said second criterion, said indicating steps involving displaying said third indicator when said first set of off-display values contains at least one value of said second dependent parameter that meets said second criterion.

13. A method as recited in claim 9 further comprising activating a fourth indicator so as to display a fifth display range including a preceding value of said second dependent parameter that meets said second criterion, said indicating steps involving displaying said fourth indicator when a second set of off-display values