**Graph Extents**

**Test Cases and Procedures**

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# Test Cases

### Test Case 1

**Test Case ID –** RBC.graph.extents.1

**Test Item –** The *extents* function of the *graph* BLT component.

**Input Specification –** The margin to show extents for

**Output Specification –** The size of the margin or plot dimension

**Special Procedural Requirements -** None

**Inter-case Dependencies –** None

# Automated Tests

None

# Manual Tests

**Test Procedure – Leftmargin**

**Test Case 1**

**Purpose –** Ensure the graph extents are valid for leftmargin.

**Special Requirements –** None

**Script –** RBC.graph.extents.1.tcl

**Procedural Steps**

* Setup – Call the “graph.extents::RBC.graph.extents.1.1.Setup” Tcl command
* Pre-Condition – None
* Body

1. Call the “graph.extents::RBC.graph.extents.1.1.Body” Tcl command

* Post-Condition – Command returns 20
* Cleanup – Call the “graph.extents::RBC.graph.extents.1.1.Cleanup” command

**Test Procedure – Rightmargin**

**Test Case 1**

**Purpose –** Ensure the graph extents are valid for rightmargin.

**Special Requirements –** None

**Script –** RBC.graph.extents.1.tcl

**Procedural Steps**

* Setup – Call the “graph.extents::RBC.graph.extents.1.2.Setup” Tcl command
* Pre-Condition – None
* Body

1. Call the “graph.extents::RBC.graph.extents.1.2.Body” Tcl command

* Post-Condition – Command returns 20
* Cleanup – Call the “graph.extents::RBC.graph.extents.1.2.Cleanup” command

**Test Procedure – Topmargin**

**Test Case 1**

**Purpose –** Ensure the graph extents are valid for topmargin.

**Special Requirements –** None

**Script –** RBC.graph.extents.1.tcl

**Procedural Steps**

* Setup – Call the “graph.extents::RBC.graph.extents.1.3.Setup” Tcl command
* Pre-Condition – None
* Body

1. Call the “graph.extents::RBC.graph.extents.1.3.Body” Tcl command

* Post-Condition – Command returns 20
* Cleanup – Call the “graph.extents::RBC.graph.extents.1.3.Cleanup” command

**Test Procedure – Bottommargin**

**Test Case 1**

**Purpose –** Ensure the graph extents are valid for bottommargin.

**Special Requirements –** None

**Script –** RBC.graph.extents.1.tcl

**Procedural Steps**

* Setup – Call the “graph.extents::RBC.graph.extents.1.4.Setup” Tcl command
* Pre-Condition – None
* Body

1. Call the “graph.extents::RBC.graph.extents.1.4.Body” Tcl command

* Post-Condition – Command returns 20
* Cleanup – Call the “graph.extents::RBC.graph.extents.1.4.Cleanup” command

**Test Procedure – Plotwidth**

**Test Case 1**

**Purpose –** Ensure the graph extents are valid for plotwidth.

**Special Requirements –** None

**Script –** RBC.graph.extents.1.tcl

**Procedural Steps**

* Setup – Call the “graph.extents::RBC.graph.extents.1.5.Setup” Tcl command
* Pre-Condition – None
* Body

1. Call the “graph.extents::RBC.graph.extents.1.5.Body” Tcl command

* Post-Condition – Command returns 2
* Cleanup – Call the “graph.extents::RBC.graph.extents.1.5.Cleanup” command

**Test Procedure – Plotheight**

**Test Case 1**

**Purpose –** Ensure the graph extents are valid for plotheight.

**Special Requirements –** None

**Script –** RBC.graph.extents.1.tcl

**Procedural Steps**

* Setup – Call the “graph.extents::RBC.graph.extents.1.6.Setup” Tcl command
* Pre-Condition – None
* Body

1. Call the “graph.extents::RBC.graph.extents.1.6.Body” Tcl command

* Post-Condition – Command returns 2
* Cleanup – Call the “graph.extents::RBC.graph.extents.1.6.Cleanup” command