

# Appendix A

## MSC/PATRAN Settings Listed By Category

### Geometry

#### Directionality

Show Parametric Direction: DISPLAY/GEOMETRY

#### Global Model Tolerance

Global Tolerance: PREFERENCES/GLOBAL

#### Highlighting

Highlighting: DISPLAY/HIGHLIGHT

Highlight Colors: PREFERENCES/GRAPHICS

#### Labels

Entity Labels and Colors: DISPLAY/ENTITY COLOR/LABEL/RENDER

#### Plot/Erase

Plot/Erase: DISPLAY/PLOT-ERASE

#### Point Size

Point Size: DISPLAY/GEOMETRY

#### Render Settings

Alternative Light Sources: DISPLAY/LIGHT SOURCES

Chordal Tolerance: DISPLAY/GEOMETRY

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Color Configurations:	DISPLAY/COLOR PALETTE
Display Lines:	DISPLAY/GEOMETRY
Display Method (Entity/Group):	PREFERENCES/ENTITY/COLOR/LABEL/RENDER
Geometric Shrink:	DISPLAY/GEOMETRY
Named Attributes:	
Select	DISPLAY/NAMED ATTRIBUTES
Create	DISPLAY/NAMED ATTRIBUTES
Render Style:	DISPLAY/ENTITY COLOR/LABEL/RENDER
Shade Color:	DISPLAY/ENTITY COLOR/LABEL/RENDER
Shading:	DISPLAY/SHADING

## Finite Element Model

### Element Properties Display

Labels and Colors:	DISPLAY/FINITE ELEMENTS
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### Highlighting

Highlighting:	DISPLAY/HIGHLIGHT
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Highlight Colors:	PREFERENCES/GRAPHICS
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### Labels

Entity Labels and Colors:	DISPLAY/ENTITY COLOR/LABEL/RENDER
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## **Node Size**

Node Size: DISPLAY/FINITE ELEMENTS

## **Plot/Erase**

Plot/Erase: DISPLAY/PLOT-ERASE

## **Render Settings**

Alternative Light Sources: DISPLAY/LIGHT SOURCES

Color Configurations: DISPLAY/COLOR PALETTE

Chordal Tolerance: DISPLAY/GEOMETRY

FEM Shrink: DISPLAY/FINITE ELEMENTS

Free Edge and Face Rendering: DISPLAY/DISPLAY PROPERTIES/FEM

Lines Along the Element Edges: DISPLAY/FINITE ELEMENTS

Named Attributes:

Select DISPLAY/NAMED ATTRIBUTES

Create DISPLAY/NAMED ATTRIBUTES

Render Style: DISPLAY/ENTITY COLOR/LABEL/RENDER

Shade Color: DISPLAY/COLOR/LABEL/RENDER

Shading: DISPLAY/SHADING

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# Loads and Boundary Conditions

## Display Markers

All F.A. Display (On/Off): DISPLAY/LOAD/BC/ELEM.  
PROPS.

Individual Labels and Colors: DISPLAY/LOAD/BC/ELEM.  
PROPS.

## Display F.A. On FEM Only (when applied to geometry)

Display F.A. On FEM Only: DISPLAY/LOAD/BC/ELEM.  
PROPS.

## F.A. Vectors and Values

Display F.A. Vectors (On/Off): DISPLAY/LOAD/BC/ELEM.  
PROPS./VECTORS

Display F.A. Values: DISPLAY/LOAD/BC/ELEM.  
PROPS.  
VECTORS

# Results

## Deformation

Scale Factor: DISPLAY/RESULTS

Show Deformation (On/Off): DISPLAY/RESULTS

Undeformed Entities (On/Off)  
and Color: DISPLAY/RESULTS

## Element Assignment Plots

Display Min/Max Values DISPLAY/RESULTS

Result Values: DISPLAY/RESULTS

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## **Result Label Format**

Result Label Format: PREFERENCES/RESULTS

## **Result Ranges**

Assign Target Range to Viewport: DISPLAY/RANGES

Create, Rename, and Delete: DISPLAY/RANGES

## **Result Spectra**

Continuous Color: DISPLAY/SPECTRUMS

Create, Rename, and Delete: DISPLAY/SPECTRUMS

## **Result Titles**

Display Result Titles: PREFERENCES/RESULTS

## **Vector**

Color Method: DISPLAY/RESULTS/VECTOR

Display Vector (On/Off): DISPLAY/RESULTS

Result Values: DISPLAY/RESULTS/VECTOR

Scale Factor: DISPLAY/RESULTS/VECTOR

## **Special Toggles**

Toggles:

Auto Center PREFERENCES/GRAPHICS

Auto Extend PREFERENCES/GRAPHICS

Auto Fit View PREFERENCES/GRAPHICS

Hardware Rendering PREFERENCES/GRAPHICS

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# MSC/PATRAN Settings Listed By

## Alphabetical Order

Alternative Light Sources:	DISPLAY/LIGHT SOURCES
Auto Center	PREFERENCES/GRAPHICS
Auto Extend	PREFERENCES/GRAPHICS
Auto Fit View	PREFERENCES/GRAPHICS
Chordal Tolerance:	DISPLAY/GEOMETRY
Color Configurations:	DISPLAY/COLOR PALETTE
Deformation Display (On/Off):	DISPLAY/RESULTS
Deformation Scale Factor:	DISPLAY/RESULTS
Display F.A. On FEM Only:	DISPLAY/LOAD/BC/ELEM. PROPS.
Display Lines:	DISPLAY/GEOMETRY
Display Method (Entity/Group):	DISPLAY/ENTITY COLOR/LA- BEL/RENDER
Named Attributes:	
Select	DISPLAY/NAMED AT- TRIBUTES
Create	DISPLAY/NAMED ATTRIBUTES
Entity Labels and Colors:	DISPLAY/ENTITY COLOR/LA- BEL/RENDER
F.A. Display (On/Off):	DISPLAY/LOAD/BC/ELEM. PROPS.
F.A. (All) Labels and Colors:	DISPLAY/LOAD/BC/ELEM. PROPS.
F. A. (Individual) Labels and Colors:	DISPLAY/LOAD/BC/ELEM. PROPS.
F.A. Values Display:	DISPLAY/LOAD/BC/ELEM. PROPS./VECTORS
F.A. Vectors Display (On/Off):	DISPLAY/LOAD/BC/ELEM. PROPS./VECTORS
FEM Shrink:	DISPLAY/FINITE ELEMENTS
Free Edge and Face Rendering:	DISPLAY/FINITE ELEMENTS
Geometric Shrink:	DISPLAY/GEOMETRY

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Global Tolerance:	PREFERENCES/GLOBAL
Highlight Colors:	PREFERENCES/GRAPHICS
Highlighting:	DISPLAY/HIGHLIGHT
Lines Along the Element Edges:	DISPLAY/FINITE ELEMENTS
Parametric Direction:	DISPLAY/GEOMETRY
Plot/Erase:	DISPLAY/PLOT-ERASE
Radius of Points:	DISPLAY/GEOMETRY
Radius of Nodes:	DISPLAY/FINITE ELEMENTS
Range Assignment to Target Viewport:	DISPLAY/RANGES
Range Create, Rename, and Delete:	DISPLAY/RANGES
Render Style:	DISPLAY/ENTITY COLOR/ LABEL/RENDER
Result Display Min/Max Values	DISPLAY/RESULTS
Result Label Format:	PREFERENCES/RESULTS
Result Titles Display:	PREFERENCES/RESULTS
Result Values:	DISPLAY/RESULTS/
Shade Color:	DISPLAY/ENTITY COLOR/ LABEL/RENDER
Shading:	DISPLAY/SHADING
Spectrum Continuous Color:	DISPLAY/SPECTRUMS
Spectrum Create, Rename, and Delete:	DISPLAY/SPECTRUMS
Undeformed Entities (On/Off) and Color:	DISPLAY/RESULTS
Vector Color Method:	DISPLAY/RESULTS/VECTOR
Vector Display (On/Off):	DISPLAY/RESULTS
Vector Result Values:	DISPLAY/RESULTS/VECTOR
Vector Scale Factor:	DISPLAY/RESULTS/VECTOR

