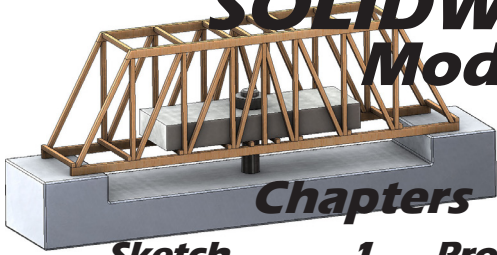


# SOLIDWORKS 2013 TUTORIALS

## Model Bridge Structural Analysis

### Table of Contents



<b>Chapters</b>		<b>Page</b>
<b>Sketch</b>	<b>1</b>	<b>Profile .125 x .125 and .125 x .25 ..... 1-1</b>
<b>Part</b>	<b>2</b>	<b>Simple Span ..... 2-1</b>
<b>Excel</b>	<b>3</b>	<b>Excel Set-Up ..... 3-1</b>
<b>Simulation</b>	<b>4</b>	<b>Analyze Simple Span ..... 4-1</b>
<b>Part</b>	<b>5</b>	<b>Bridge Joints ..... 5-1</b>
<b>Simulation</b>	<b>6</b>	<b>Analyze Bridge Joints ..... 6-1</b>
<b>Part</b>	<b>7</b>	<b>Add Floor Beams..... 7-1</b>
<b>Simulation</b>	<b>8</b>	<b>Analyze Bridge Add Floor Beams..... 8-1</b>
<b>Part</b>	<b>9</b>	<b>Add Bottom Lateral Bracing ..... 9-1</b>
<b>Simulation</b>	<b>10</b>	<b>Analyze Bridge Lateral Bracing ..... 10-1</b>
<b>Drawing</b>	<b>11</b>	<b>Drawing with Cut List ..... 11-1</b>
<b>Part</b>	<b>12</b>	<b>Base ..... 12-1</b>
<b>Part</b>	<b>13</b>	<b>Block 3/4 x 2 x 6..... 13-1</b>
<b>Part</b>	<b>14</b>	<b>Rod 1/2" ..... 14-1</b>
<b>Assembly</b>	<b>15</b>	<b>Crusher Assembly ..... 15-1</b>
<b>Simulation</b>	<b>16</b>	<b>Analyze Joints Assembly..... 16-1</b>
<b>Part</b>	<b>17</b>	<b>Bridge Combine ..... 17-1</b>
<b>Simulation</b>	<b>18</b>	<b>Analyze Combine Assembly..... 18-1</b>

- My Weldments
- My Profiles
- Bridge Balsa
  - .125 x .125.SLDLFP
  - .125 x .25.SLDLFP

	A	B	C	D	E	F	G	H
1	Bridge Data							
2	Configuration	Current Force	Current FOS	Safe Force per Item	Force Items	Total Load (lbs.)	Structure Mass	Efficiency
3	Simple Span			0.000		0.000		#DIV/0!
4	Bridge Joints			0.000		0.000		#DIV/0!
5				0.000		0.000		#DIV/0!