

Instant Fence & Railing Misc Parameters

A group is selected for input. The group must contain a line or series of connected lines which may form at most a single closed loop (No "X" or "T") The lines should be level or sloped but should not be vertical except as described below. Posts, fence breaks or steps are located at each line break.

Slope / Step All styles can be modeled as sloped or stepped. (This example uses preset style "Lattice Fence 1")

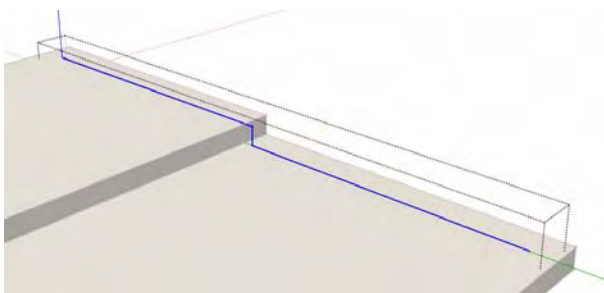
The image shows four sequential screenshots of the 'Misc Parameters' panel for the 'Lattice Fence 1' style. Each panel has a 'STYLE PARAMETERS' header and a 'MISC PARAMETERS' section. The settings are as follows:

- Panel 1:** 'Slope' is selected. 'Drop to Terrain' is 'Yes'. 'Equalize Segments' is 'No'. 'DEFLECTION' and 'RND HEIGHT' are unchecked.
- Panel 2:** 'Step' is selected. 'Min Step Height' is set to '1"'. 'Drop to Terrain' is 'Yes'. 'Equalize Segments' is 'No'.
- Panel 3:** 'Step' is selected. 'Min Step Height' is set to '1"'. 'Drop to Terrain' is 'No'. 'Equalize Segments' is 'No'.
- Panel 4:** 'Step' is selected. 'Min Step Height' is set to '1"'. 'Drop to Terrain' is 'No'. 'Equalize Segments' is 'No'.



Example: Post at exact location at deck step. Usually, a vertical line in the input selection is ignored. However, when the "Top/Bot" parameter is selected in combination with "Drop to Terrain = No", a post will be located at the center of the vertical line and the height of the post will be taken from the high side.

Input Selection



Drop to Terrain *Sets elevation for bottom of fence or railing*

STYLE PARAMETERS

MISC PARAMETERS


Slope Step Top/Bot

Drop to Terrain Yes No

Equalize Segments Yes No

DEFLECTION

RND HEIGHT



STYLE PARAMETERS


MISC PARAMETERS

Slope Step Top/Bot

Min Step Height

Drop to Terrain Yes No

Equalize Segments Yes No



Equalize Segments *Recreates input line segments to make all equal length*

STYLE PARAMETERS

MISC PARAMETERS

Slope Step Top/Bot

Min Step Height

Drop to Terrain Yes No

Equalize Segments Yes No

Segment Length



STYLE PARAMETERS

MISC PARAMETERS


Slope Step Top/Bot

Min Step Height

Drop to Terrain Yes No

Equalize Segments Yes No

POSTS



STYLE PARAMETERS

MISC PARAMETERS


Slope Step Top/Bot

Min Step Height

Drop to Terrain Yes No

Equalize Segments Yes No

Segment Length POSTS



Circle Precision

STYLE PARAMETERS

MISC PARAMETERS

Slope Step Top/Bot


Min Step Height

Drop to Terrain Yes No

Equalize Segments Yes No

Circle Precision

POSTS



Deflection, Wiggle, Random Height, Wobble. *Only available for sloped fences or railings*

Deflection *Horizontal members only*

DEFLECTION

Quantity: 20%

Deflection: 2% of span

Arc Precision: 7

WIGGLE

RND HEIGHT

WOBBLE

DEFLECTION

Quantity: 20%

Deflection: 5%, 10%, 20%, 30%, 40%, 50%, 60%, 70%, 85%, All

Arc Precision: 1% of span, 2% of span, 3%, 4%, 5%, 6%, 7%, 8%, 10%, 12%

WIGGLE

RND HEIGHT

WOBBLE

POSTS

Progressive

DEFLECTION

Quantity: 20%

Deflection: 5%

Arc Precision: 7

WIGGLE

RND HEIGHT

WOBBLE

POSTS



Wiggle *Horizontal round members only*

DEFLECTION

WIGGLE

Severity: 5%

Number of Segments: 4

RND HEIGHT

WOBBLE

DEFLECTION

WIGGLE

Severity: 5%

Number of Segments: 1% of span, 2% of span, 3%, 4%, 5%, 6%, 7%, 8%, 10%, 12%

RND HEIGHT

WOBBLE

POSTS

Type

DEFLECTION

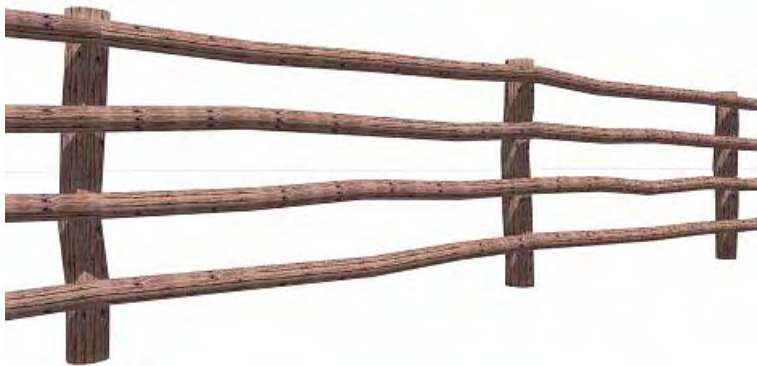
WIGGLE

Severity: 5%




Number of Segments: 4


RND HEIGHT




WOBBLE







Random Height


DEFLECTION 
 WIGGLE 
 RND HEIGHT 
 Add Heights to Posts Post,Rail,Fence
 Max Height to Add




WOBBLE 


DEFLECTION 
 WIGGLE 
 RND HEIGHT 
 Add Heights to Posts Post,Rail,Fence
 Max Height to Add

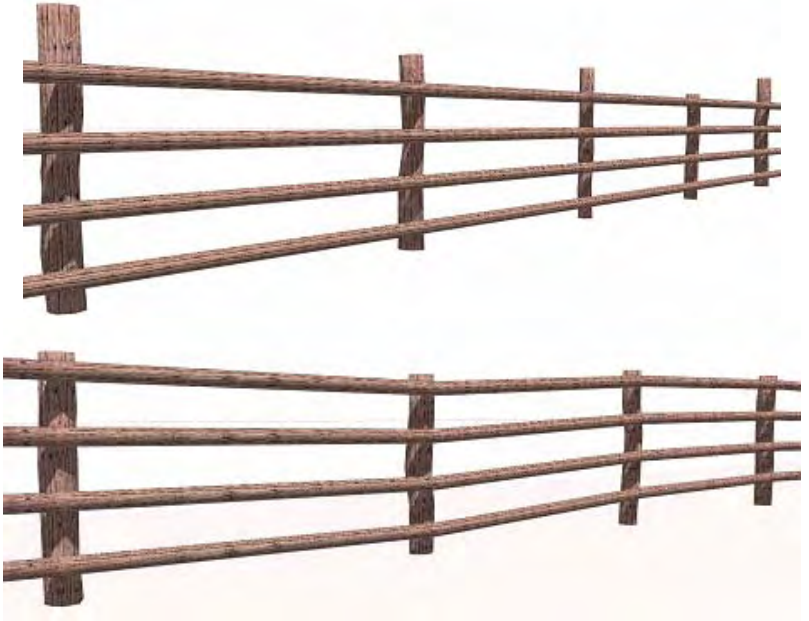
WOBBLE 

DEFLECTION 
 WIGGLE 
 RND HEIGHT 
 Add Heights to Posts Post,Rail,Fence
 Max Height to Add





WOBBLE 





DEFLECTION 
 WIGGLE 
 RND HEIGHT 
 Add Heights to Posts Post,Rail,Fence
 Max Height to Add


WOBBLE 







Wobble

DEFLECTION 
 WIGGLE 
 RND HEIGHT 
 WOBBLE 
 Quantity
 Max Angle

DEFLECTION 
 WIGGLE 
 RND HEIGHT 
 WOBBLE 
 Quantity
 Max Angle

POSTS 
 Type
 Height
 Width

DEFLECTION 
 WIGGLE 
 RND HEIGHT 
 WOBBLE 
 Quantity
 Max Angle

POSTS 