R values:

[[ 4.16098790e+03 1.51974449e+04 -7.64521132e+05 -4.24402821e+06

-4.24736654e+06 -7.69125874e+05 1.38855384e+04 4.05753021e+03]

[ 1.50319610e+04 5.78480692e+05 1.73558484e+06 -1.15250904e+05

-1.35928351e+05 1.70824327e+06 5.71534143e+05 1.53426031e+04]

[-7.45426061e+05 1.73322018e+06 9.56377494e+06 1.33595358e+07

1.32852450e+07 9.47883752e+06 1.72524032e+06 -7.28253588e+05]

[-4.13257821e+06 -8.43259965e+04 1.33285426e+07 2.22203228e+07

2.21037183e+07 1.32294703e+07 -4.52215148e+04 -4.05284012e+06]

[-4.13166025e+06 -1.13230411e+05 1.32048622e+07 2.20403753e+07

2.19248148e+07 1.31070177e+07 -7.39812814e+04 -4.05213831e+06]

[-7.46597847e+05 1.68749628e+06 9.38811476e+06 1.31494147e+07

1.30774787e+07 9.30613129e+06 1.68005821e+06 -7.29719190e+05]

[ 1.37562325e+04 5.61431131e+05 1.70421676e+06 -2.32079273e+04

-4.13163414e+04 1.68030680e+06 5.55376089e+05 1.40472994e+04]

[ 3.94584479e+03 1.51794634e+04 -7.06546224e+05 -3.94033594e+06

-3.94163012e+06 -7.08359495e+05 1.46577125e+04 3.90469269e+03]]

Thresholded R contours:

Background pattern

Description automatically generated

After performing non-maximum suppression, the points are below.

The lower half is fading, therefore the points do not meet the threshold.

A picture containing rectangle

Description automatically generated

FAST:

T=10:

A picture containing chart

Description automatically generated

T=20:

A picture containing chart

Description automatically generated

T=30:

Chart

Description automatically generated with low confidence

T=50:

A picture containing chart

Description automatically generated

As expected higher T will lead to less interest points. At T = 50, points on the people are largely lost. At T = 30 and 50, the layers on the tower are well captured.