

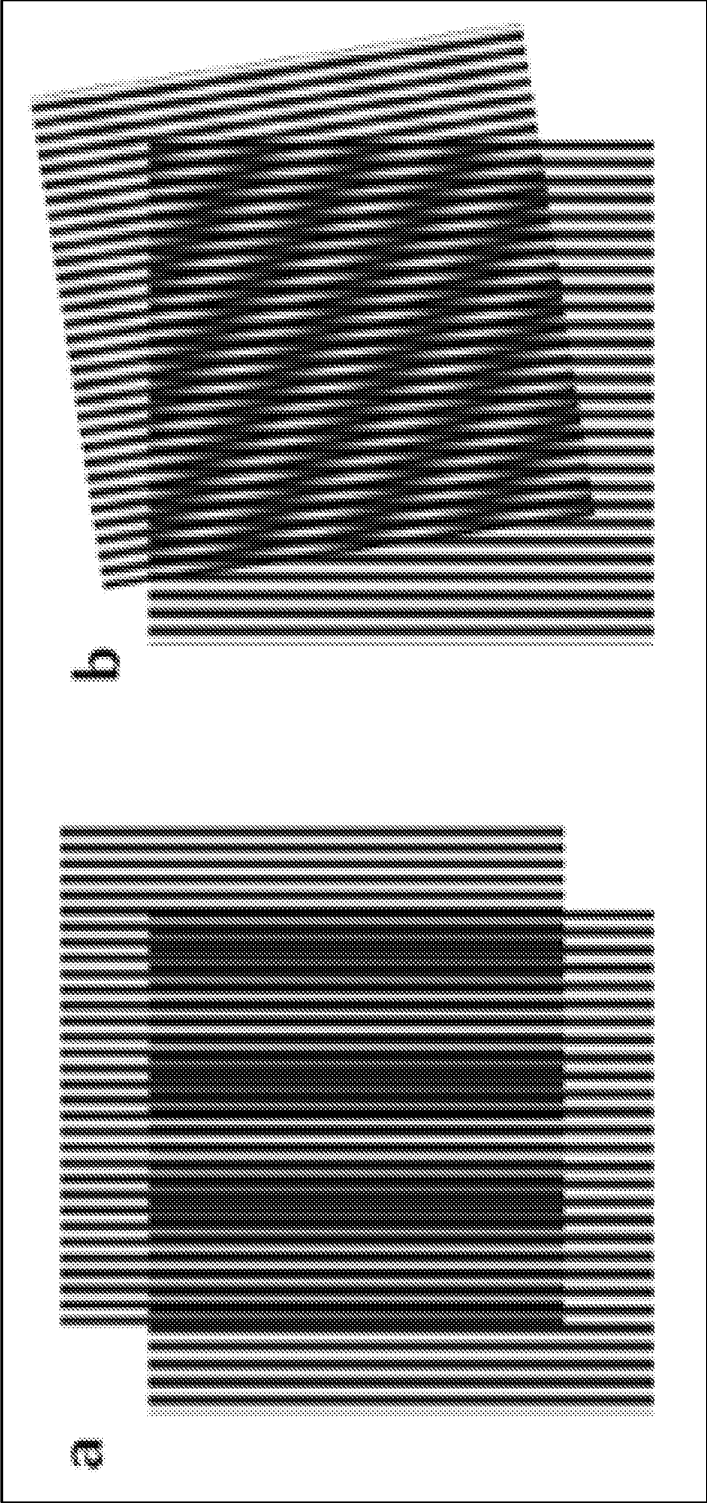


FIG. 1A

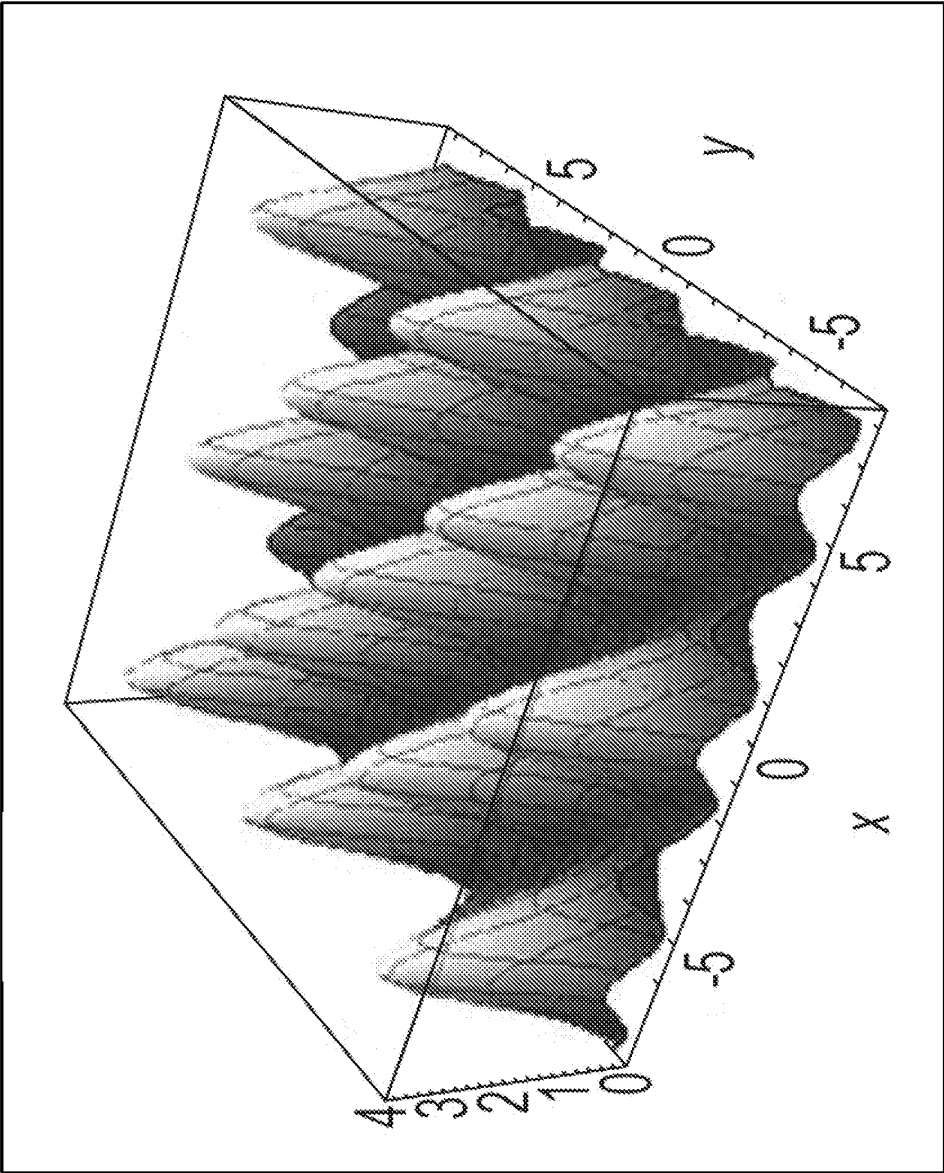


FIG. 1B

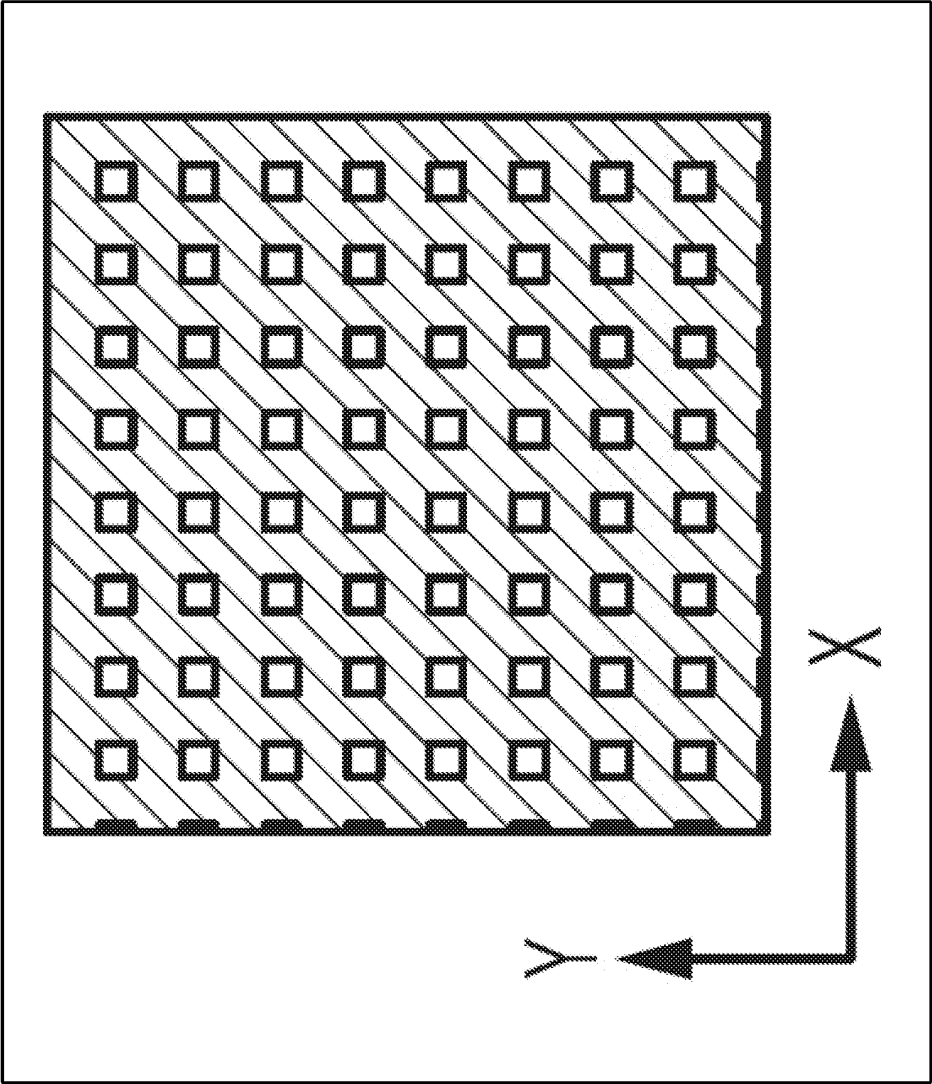


FIG. 1C

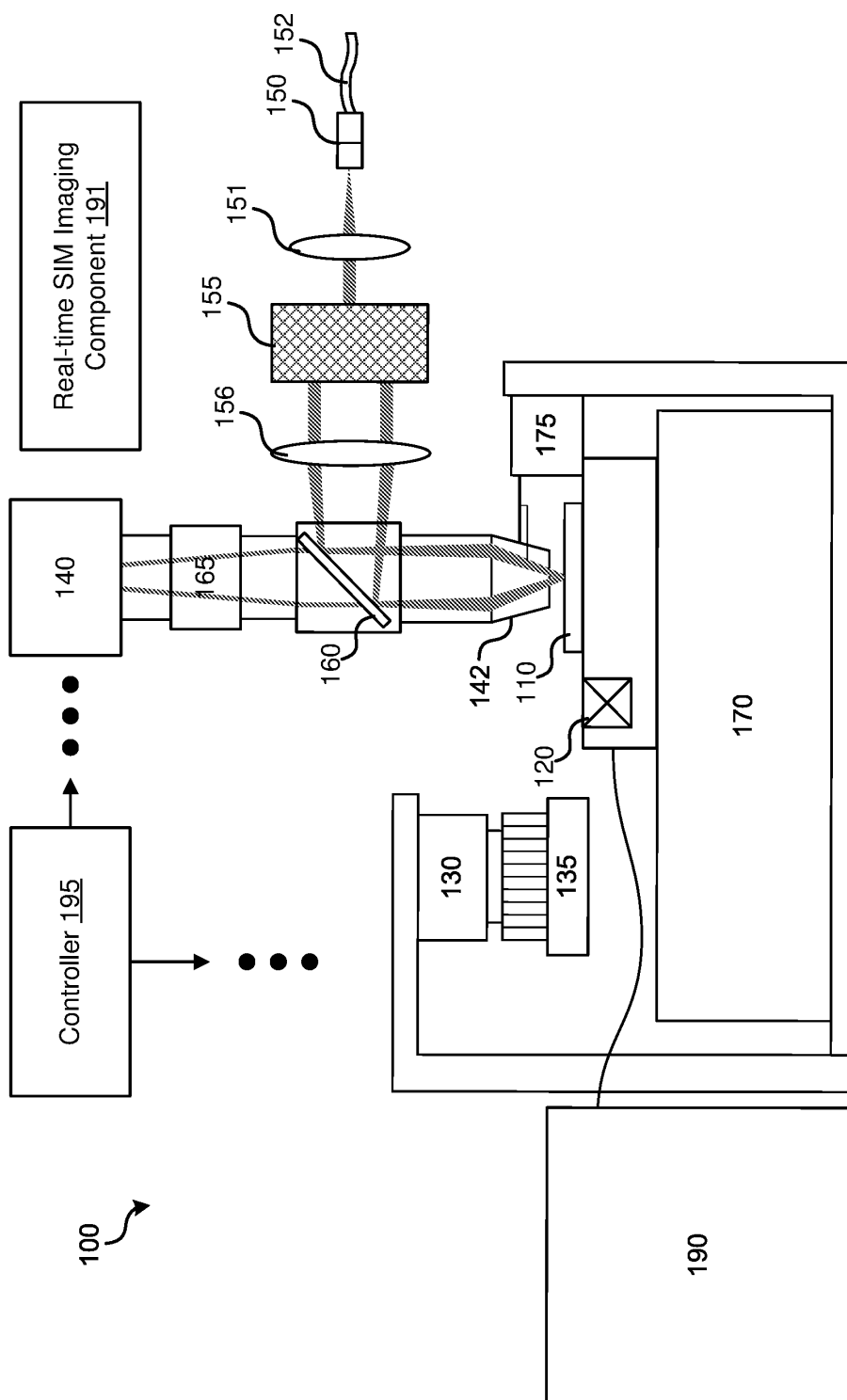


FIG. 2

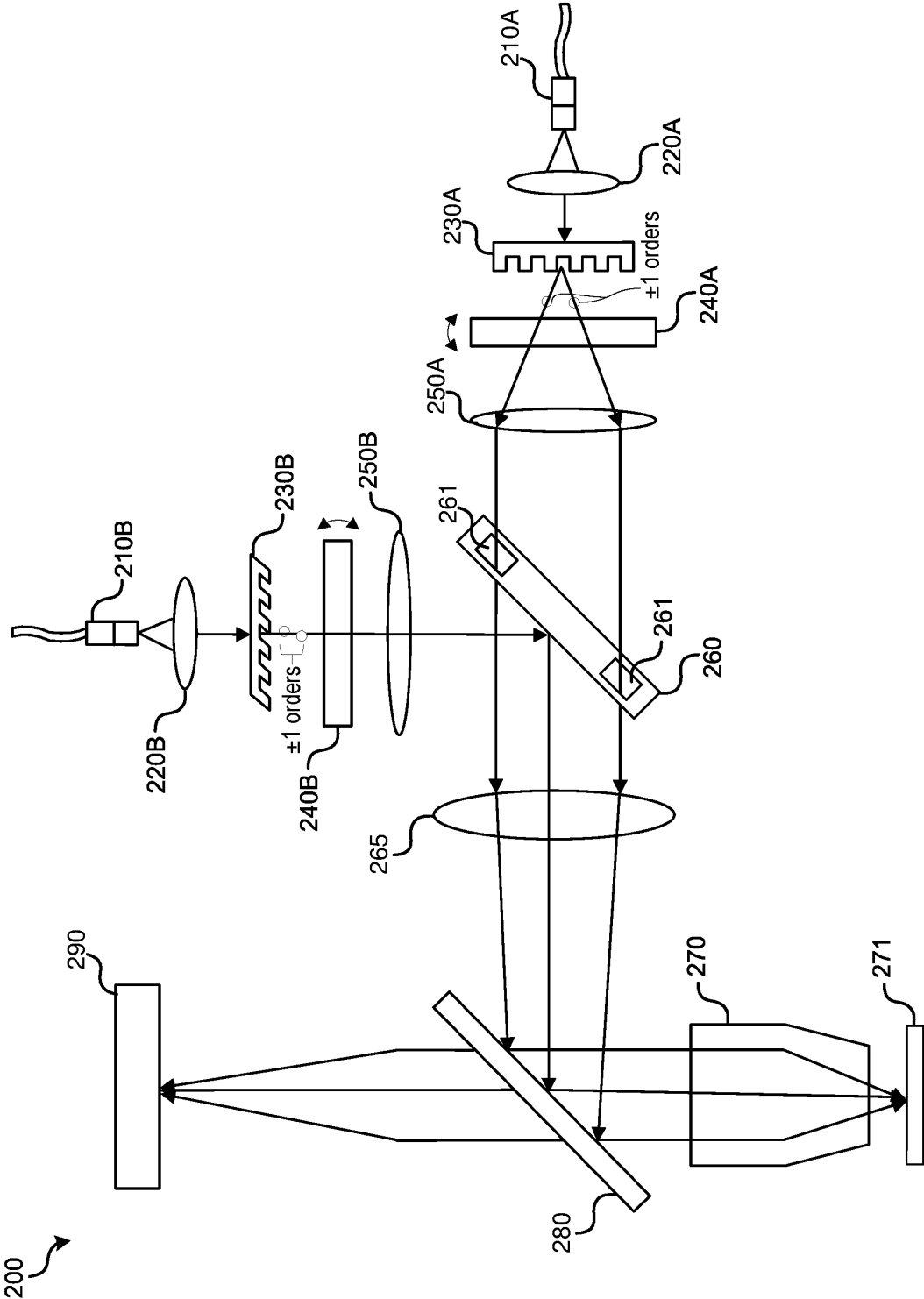


FIG. 3

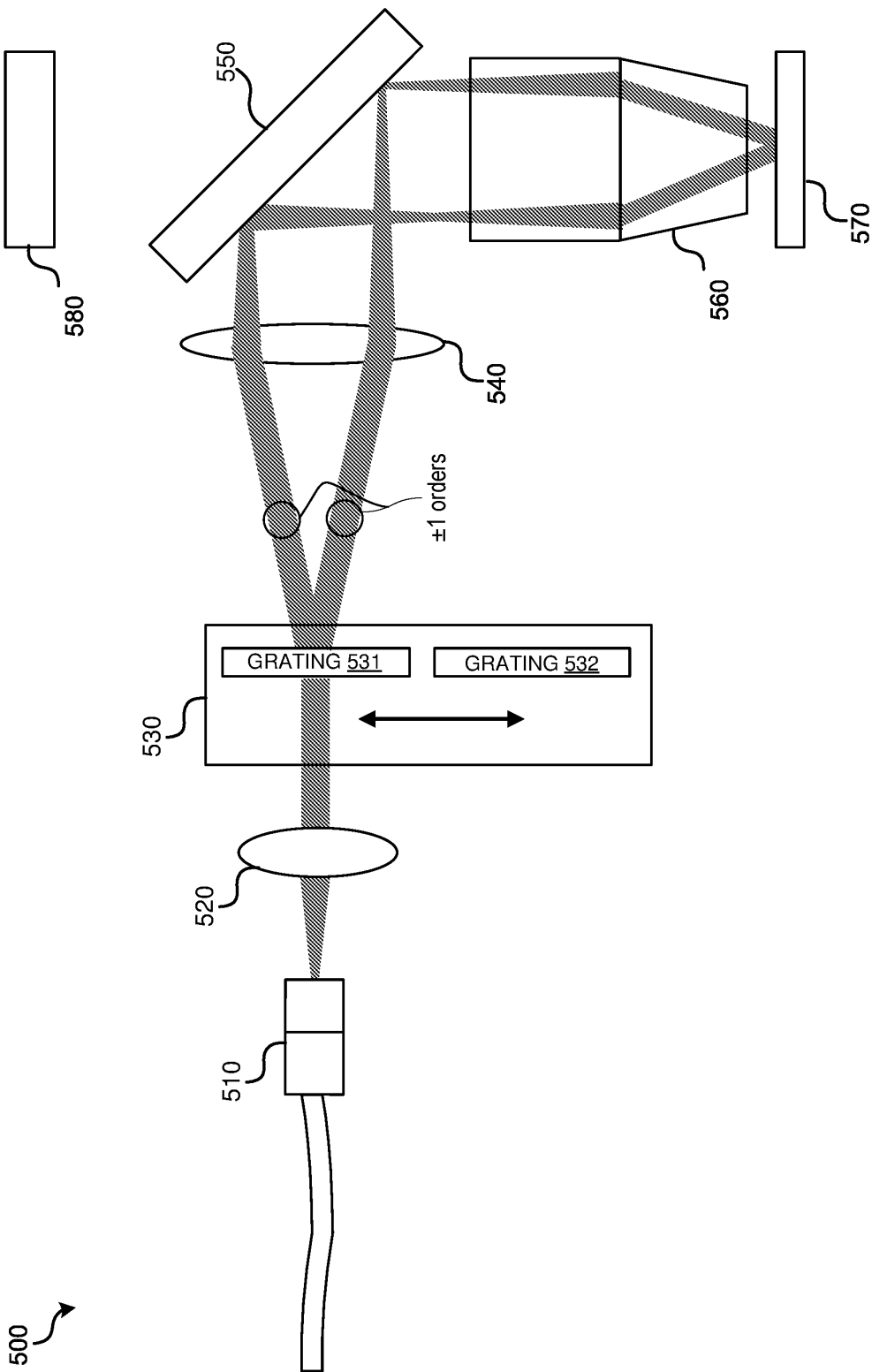


FIG. 4A

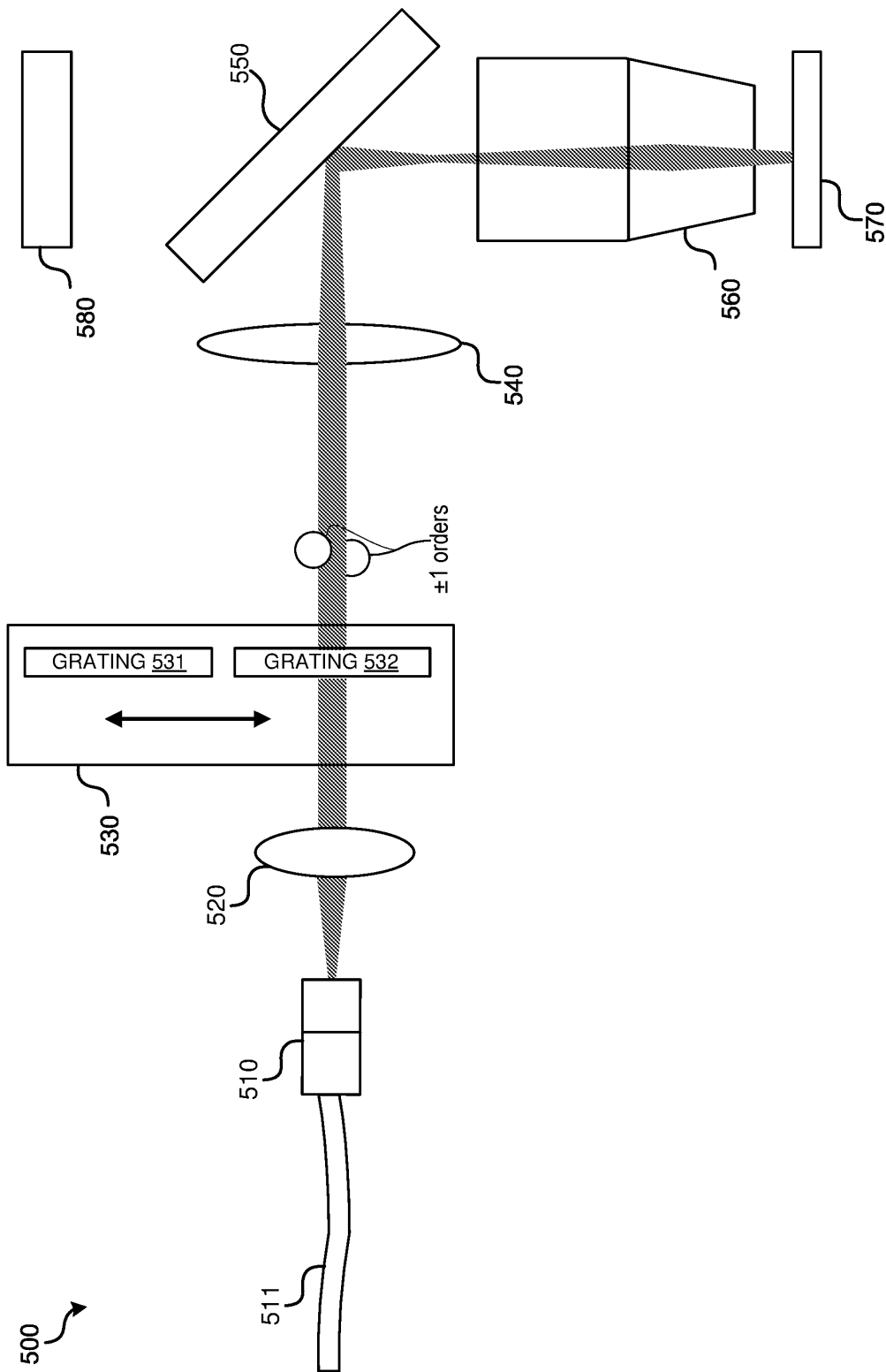


FIG. 4B

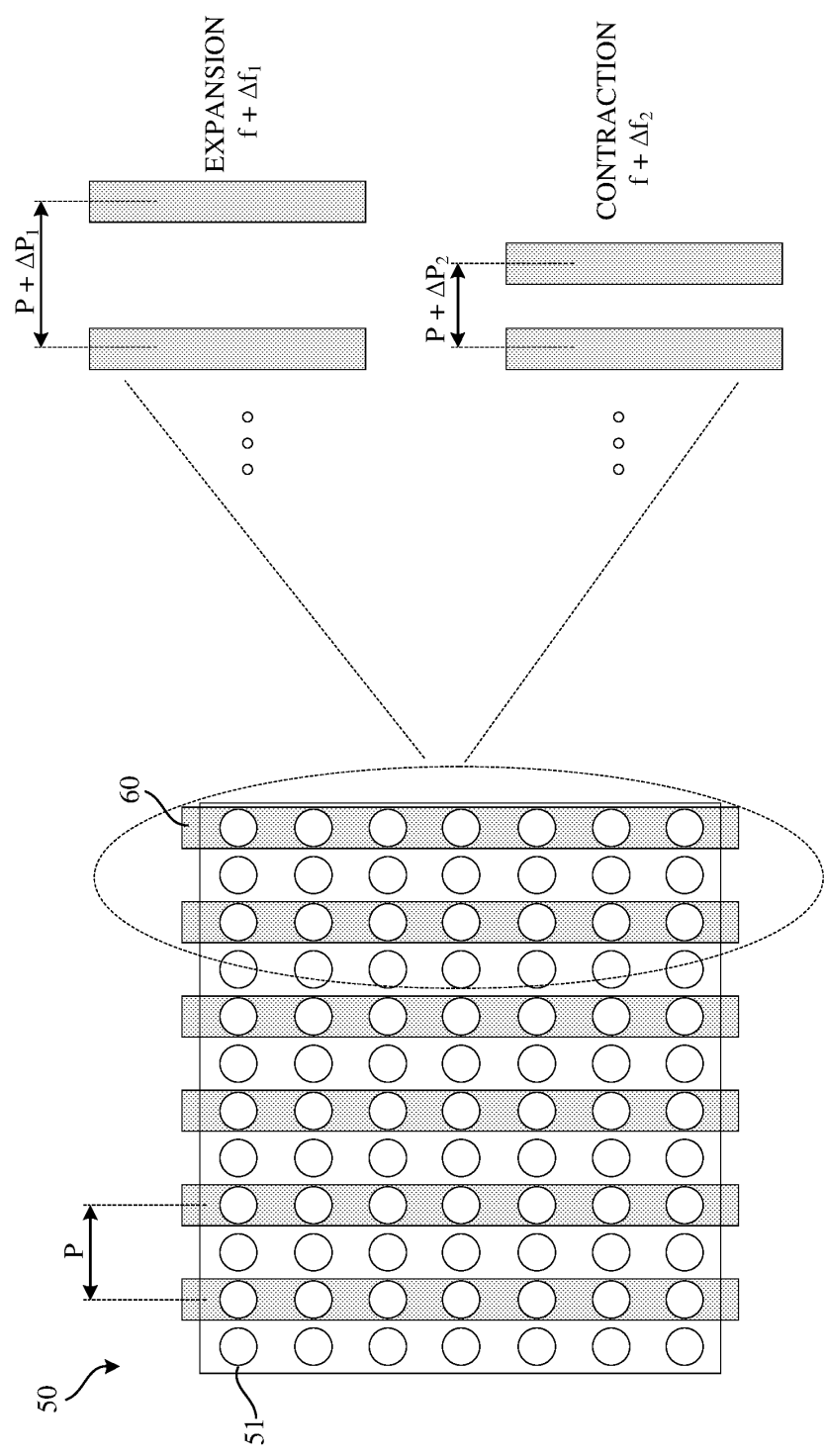


FIG. 5A

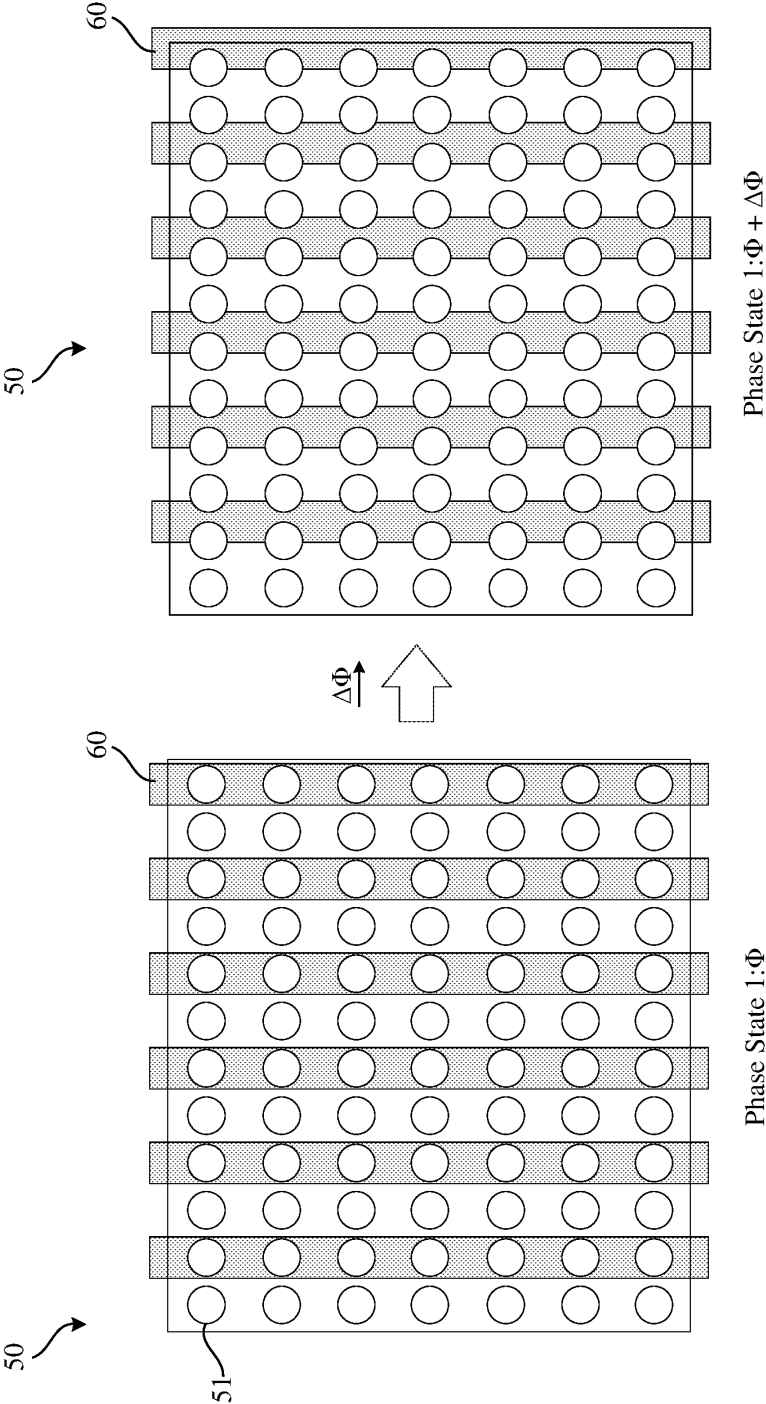


FIG. 5B

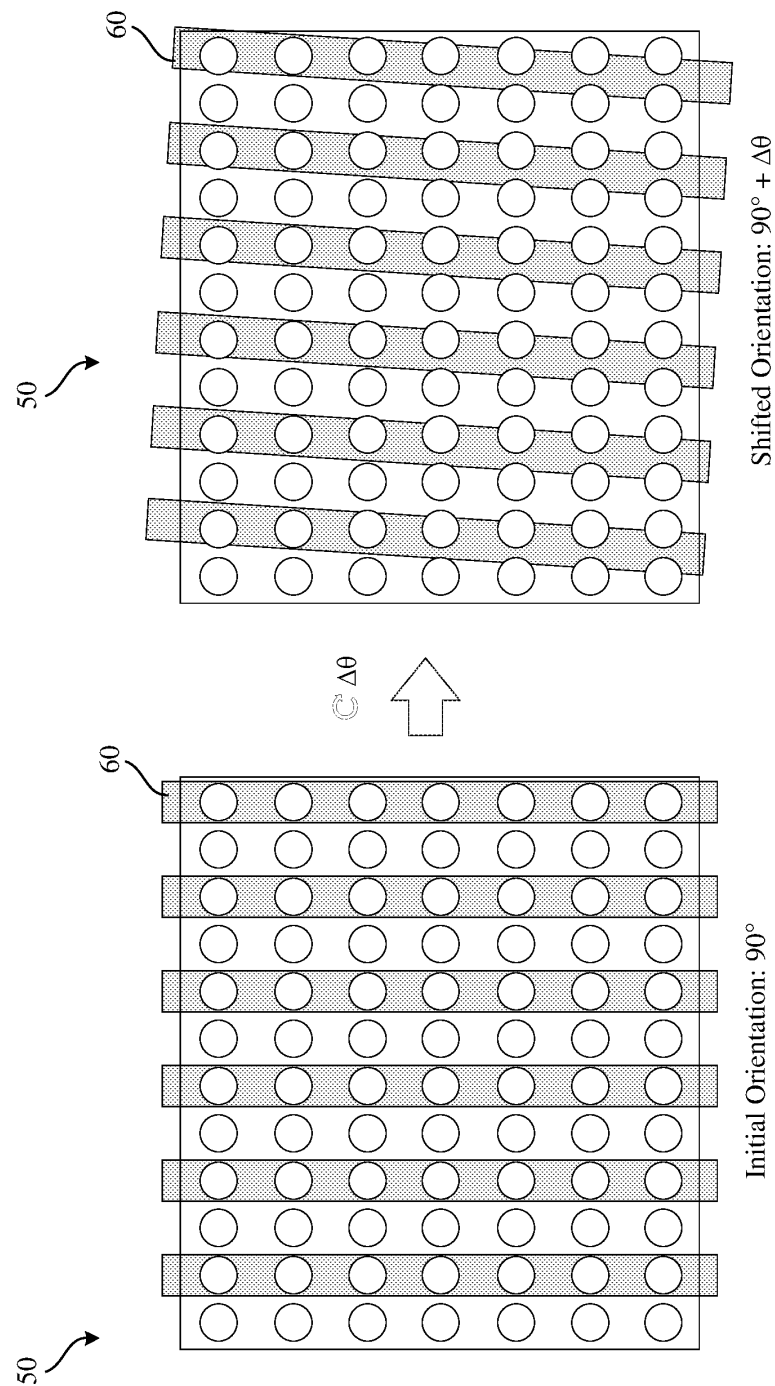


FIG. 5C

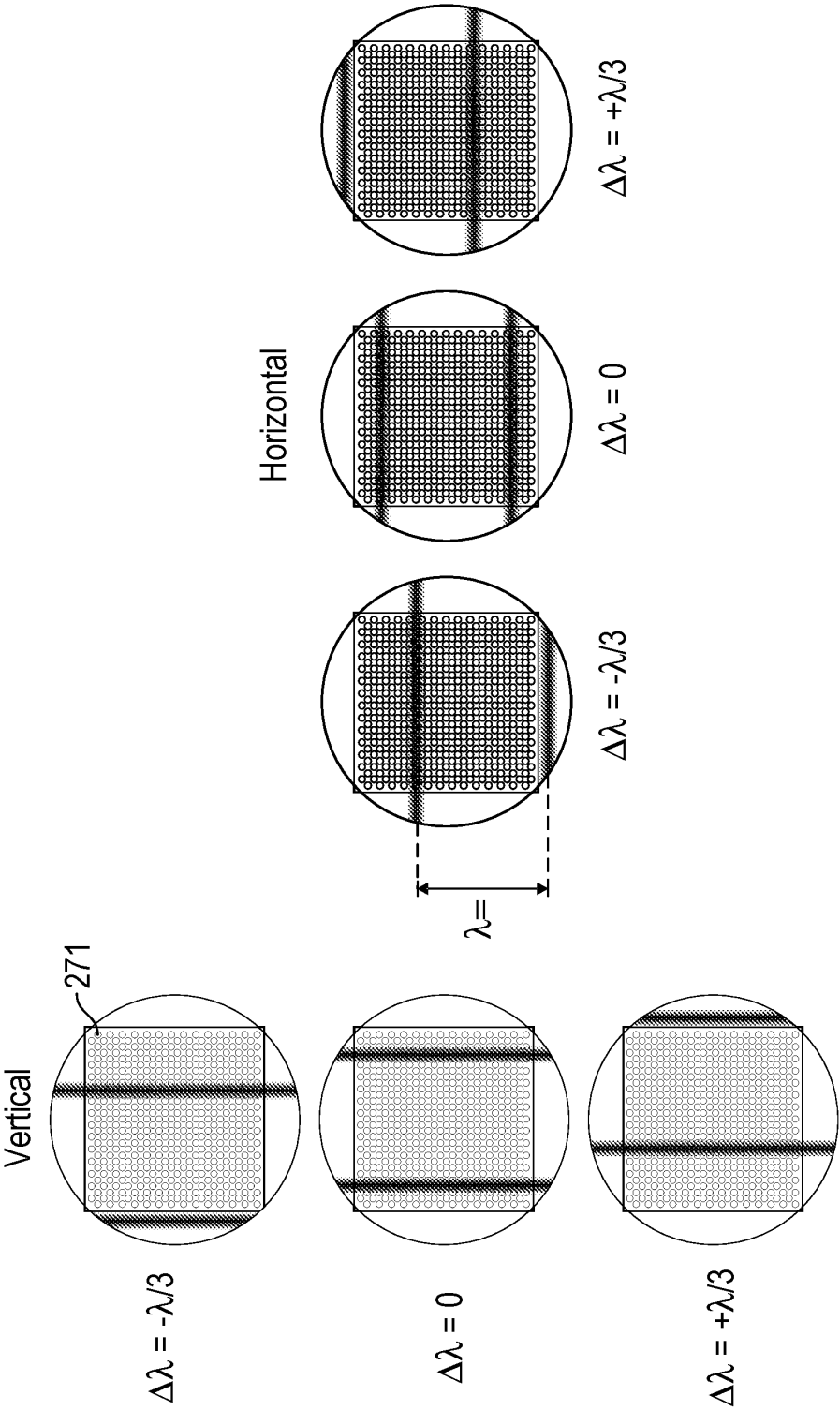


FIG. 6

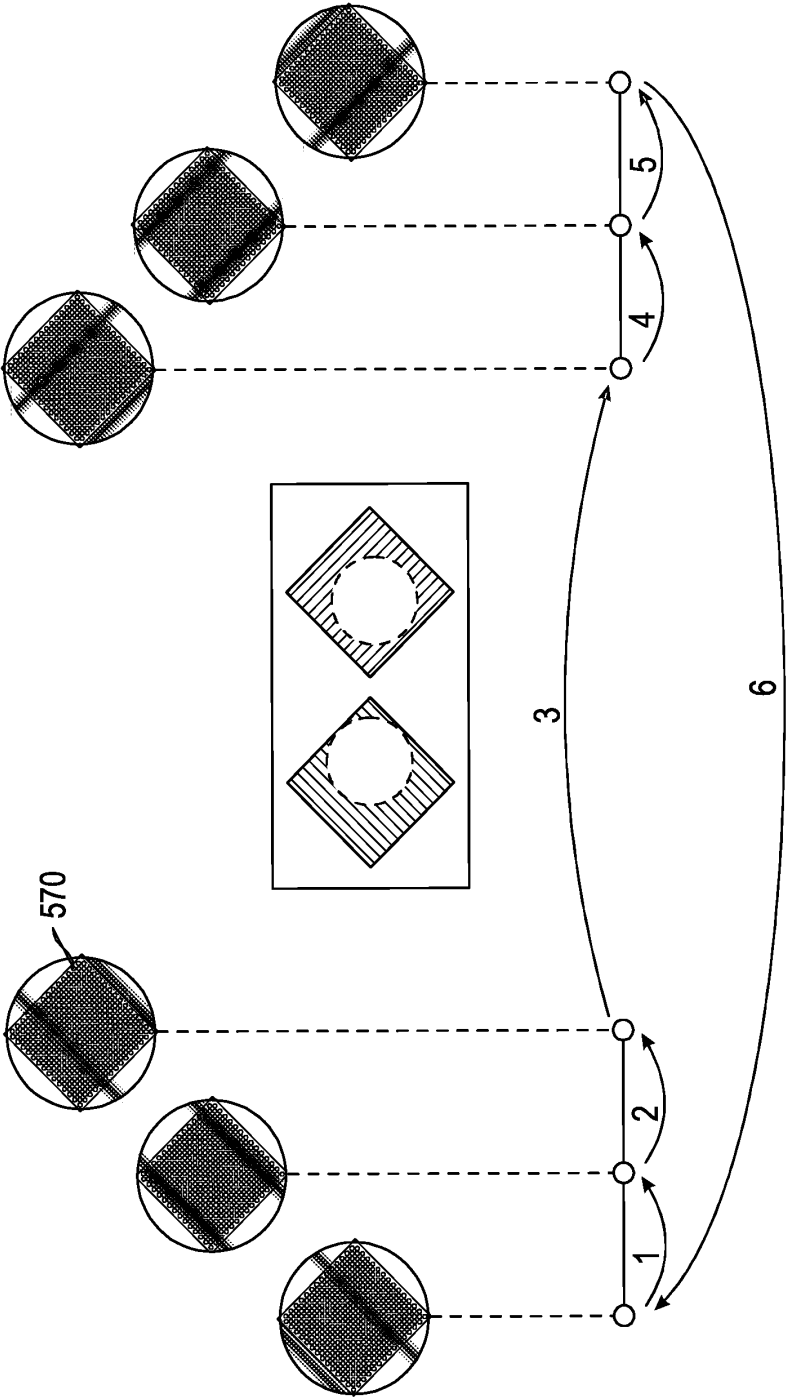


FIG. 7

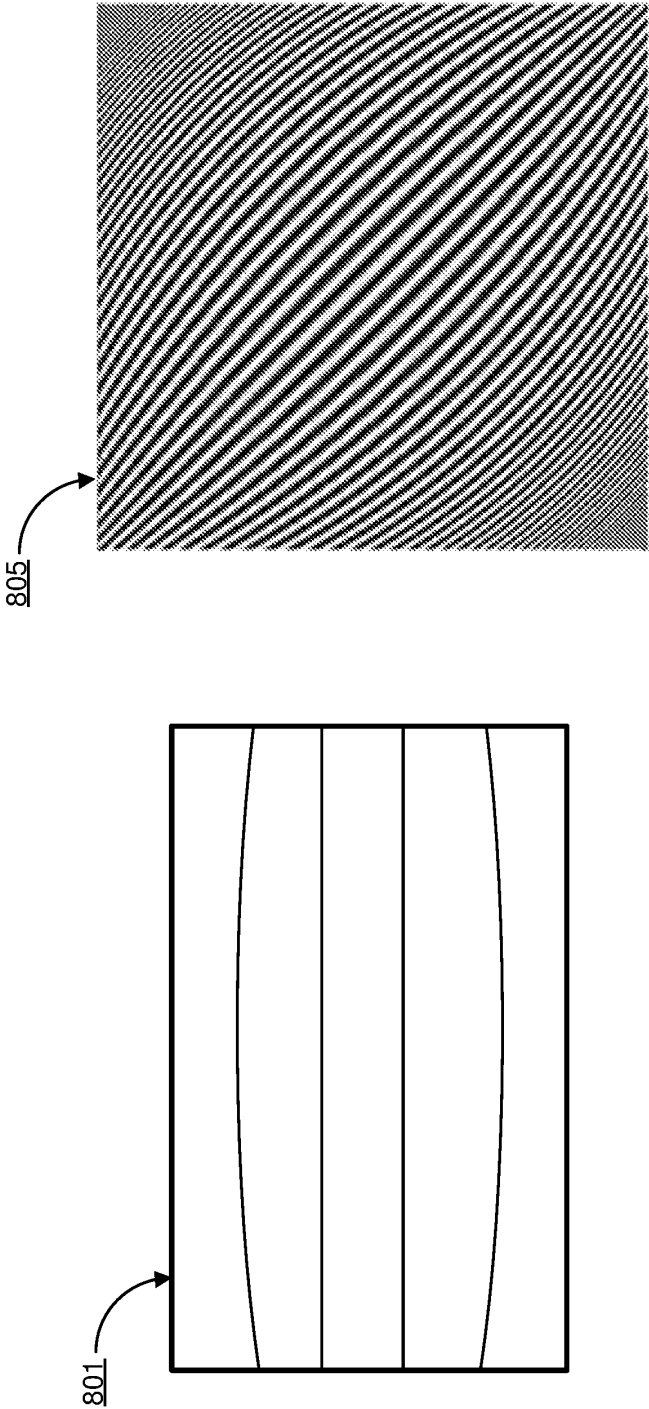


FIG. 8A

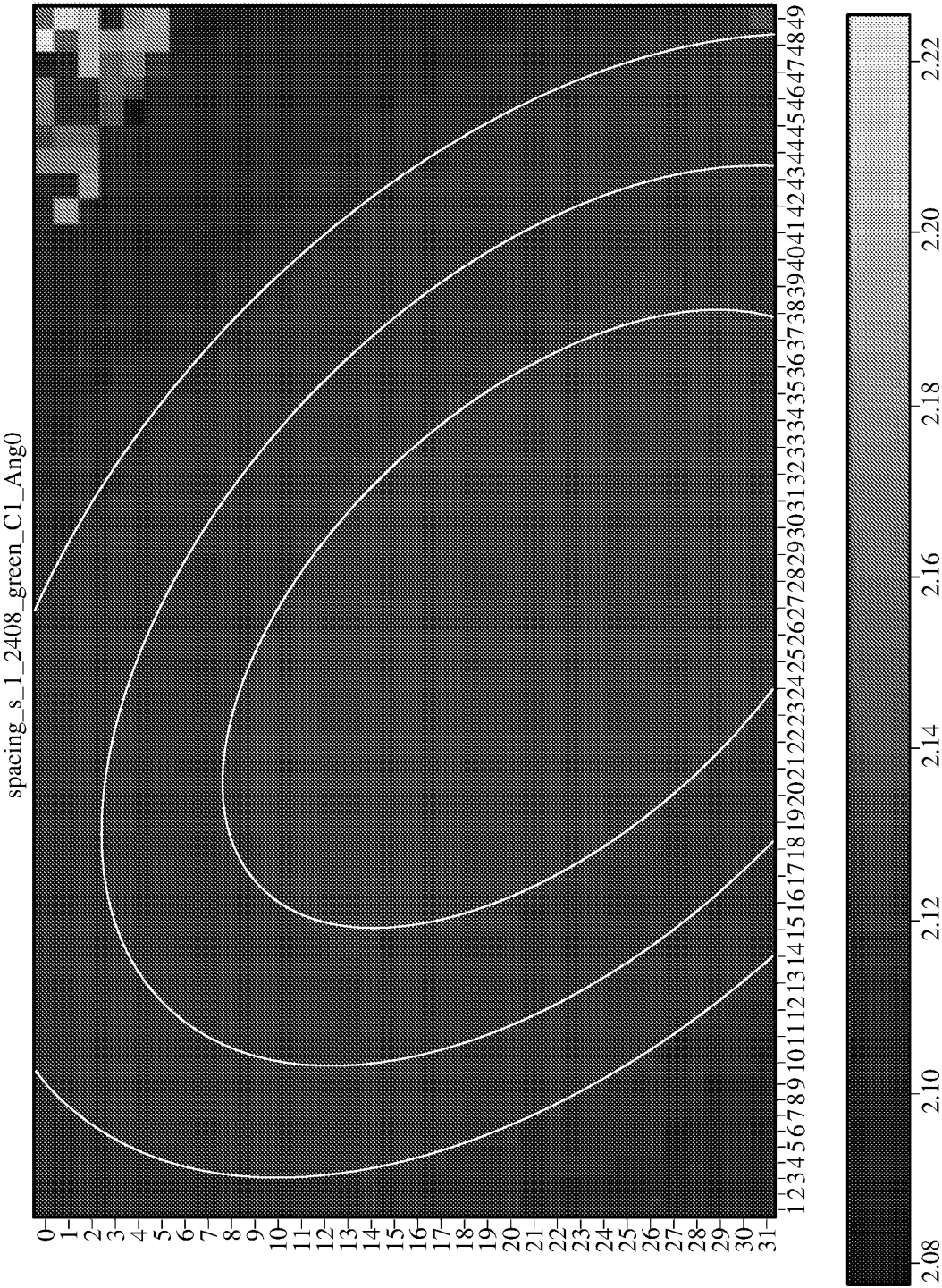


FIG. 8B

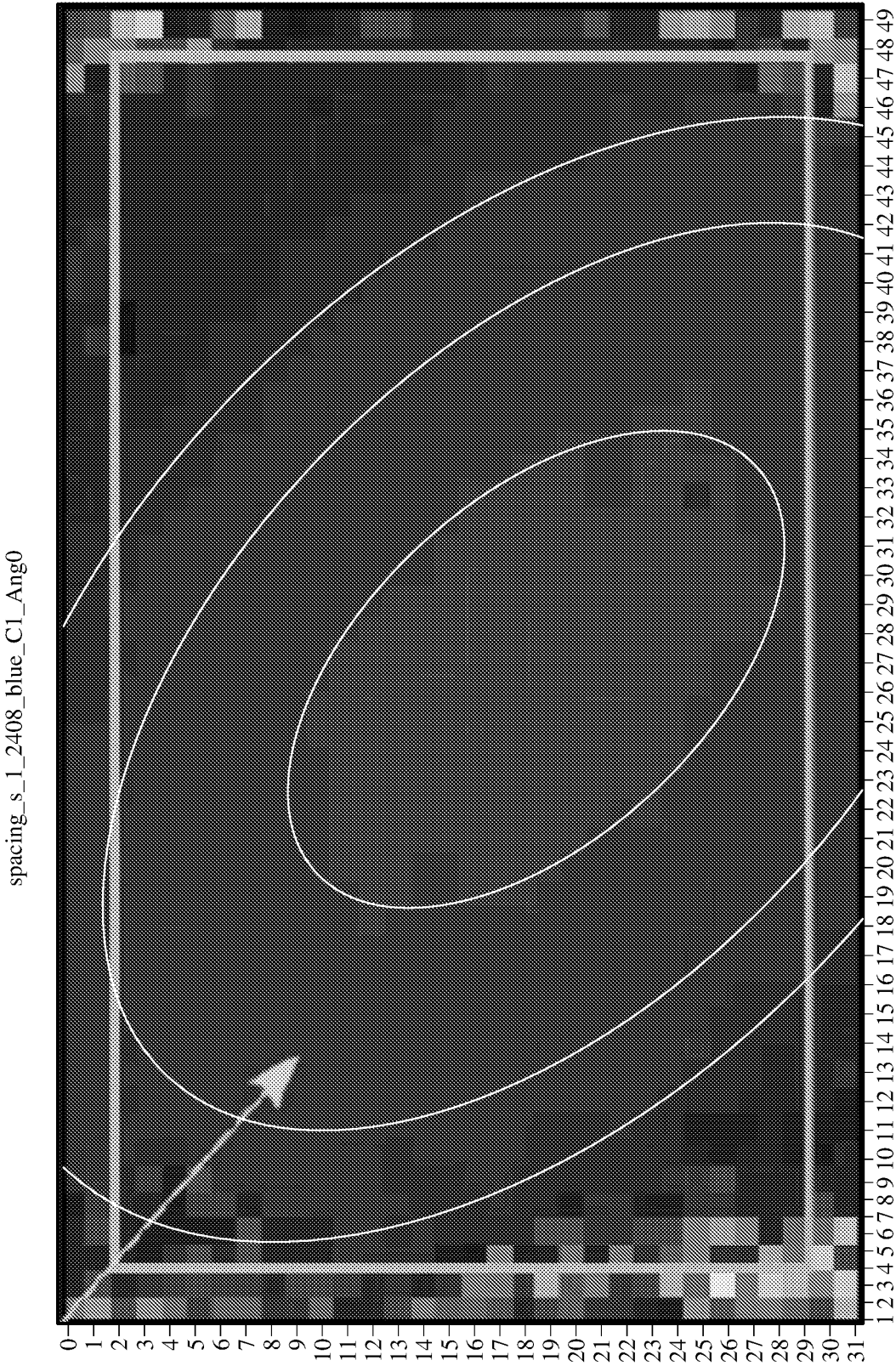


FIG. 8C

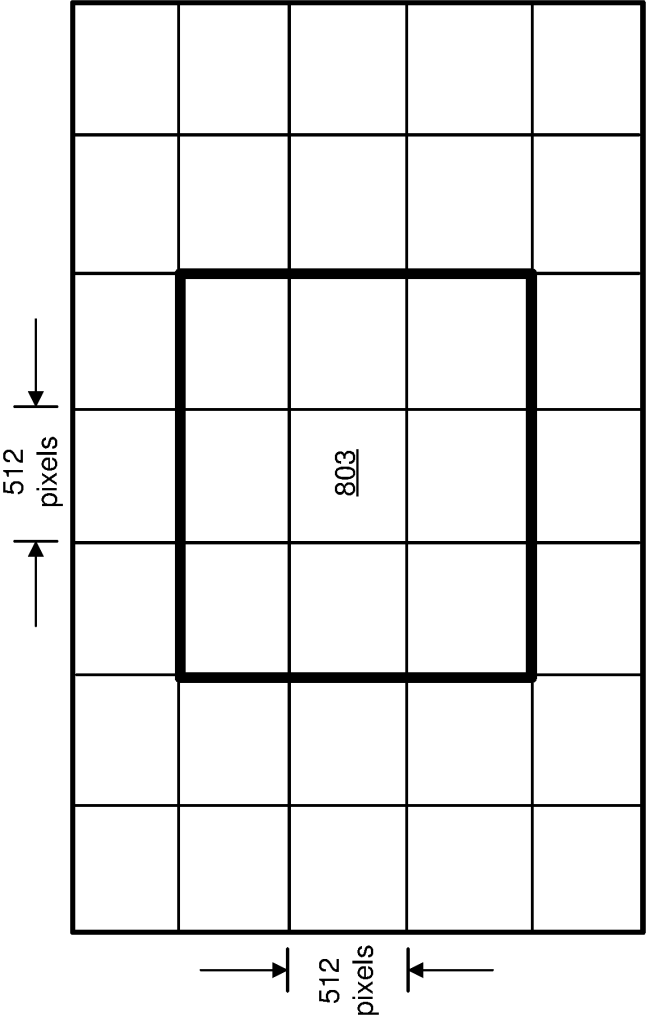


FIG. 8D

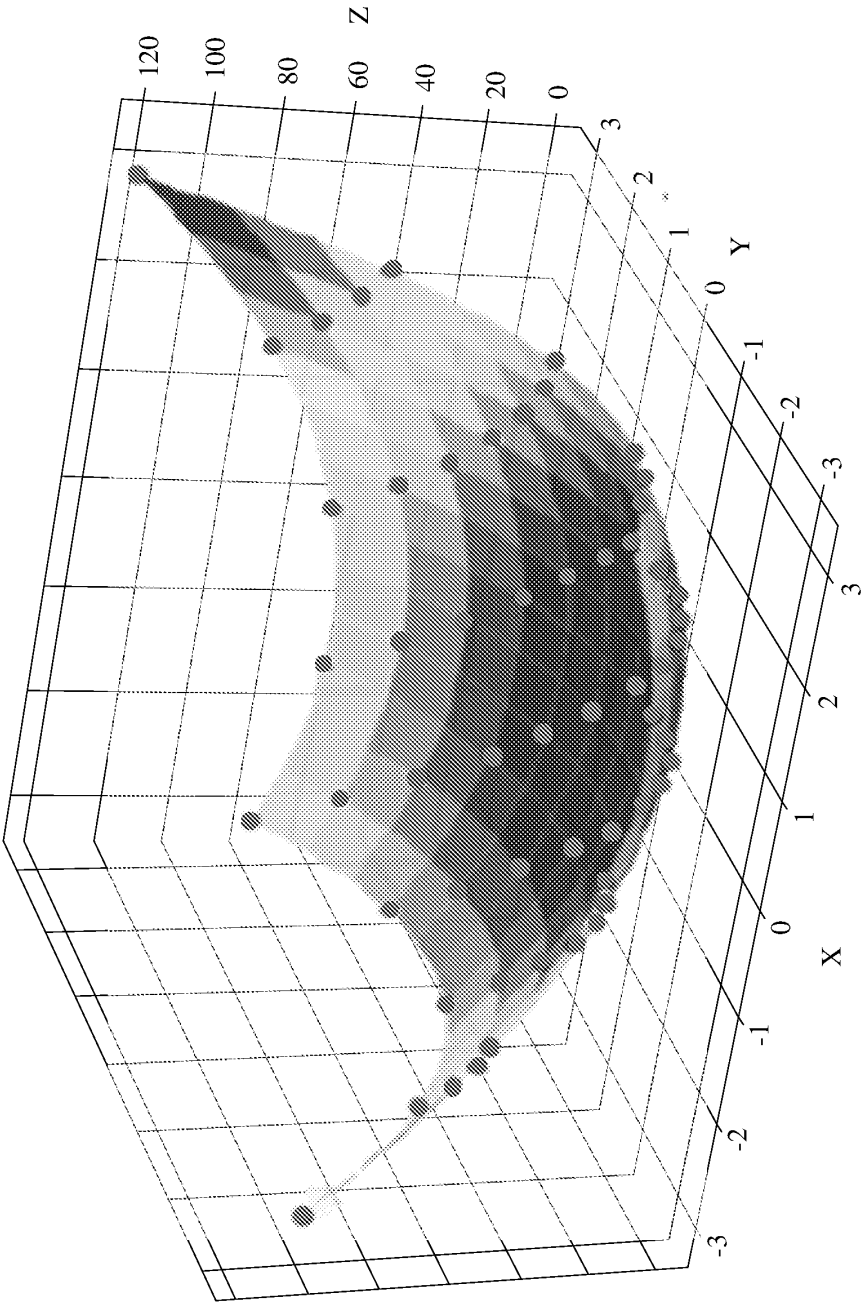


FIG. 9

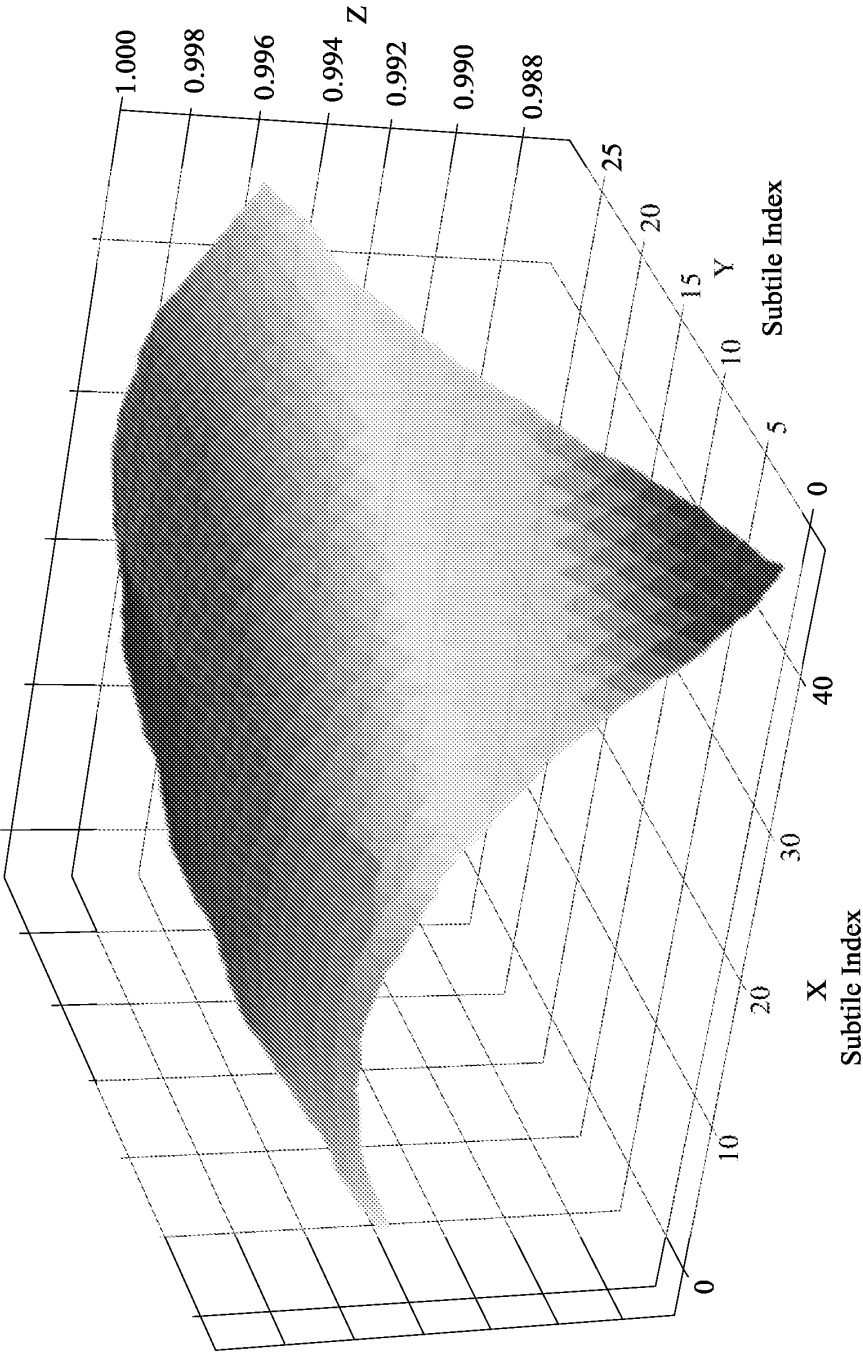


FIG. 10A

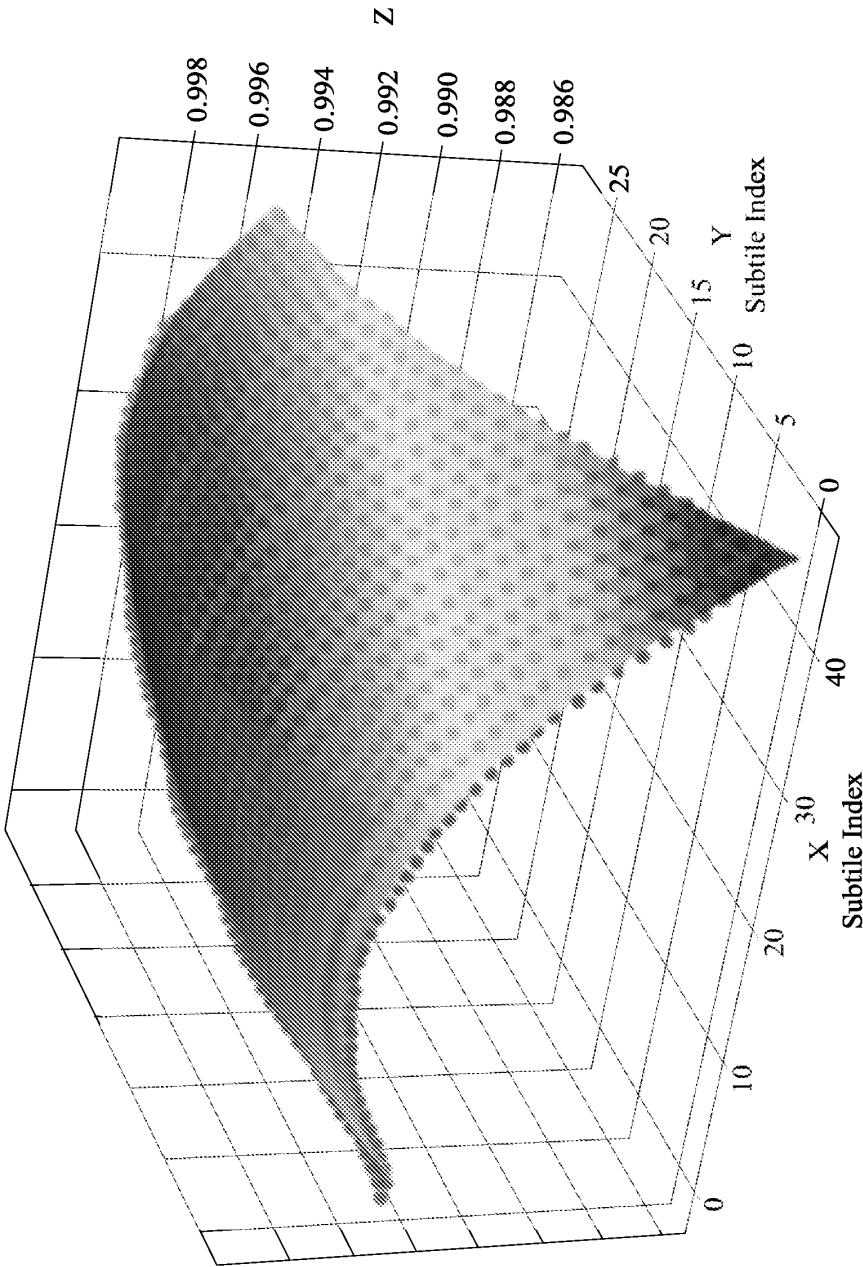


FIG. 10B

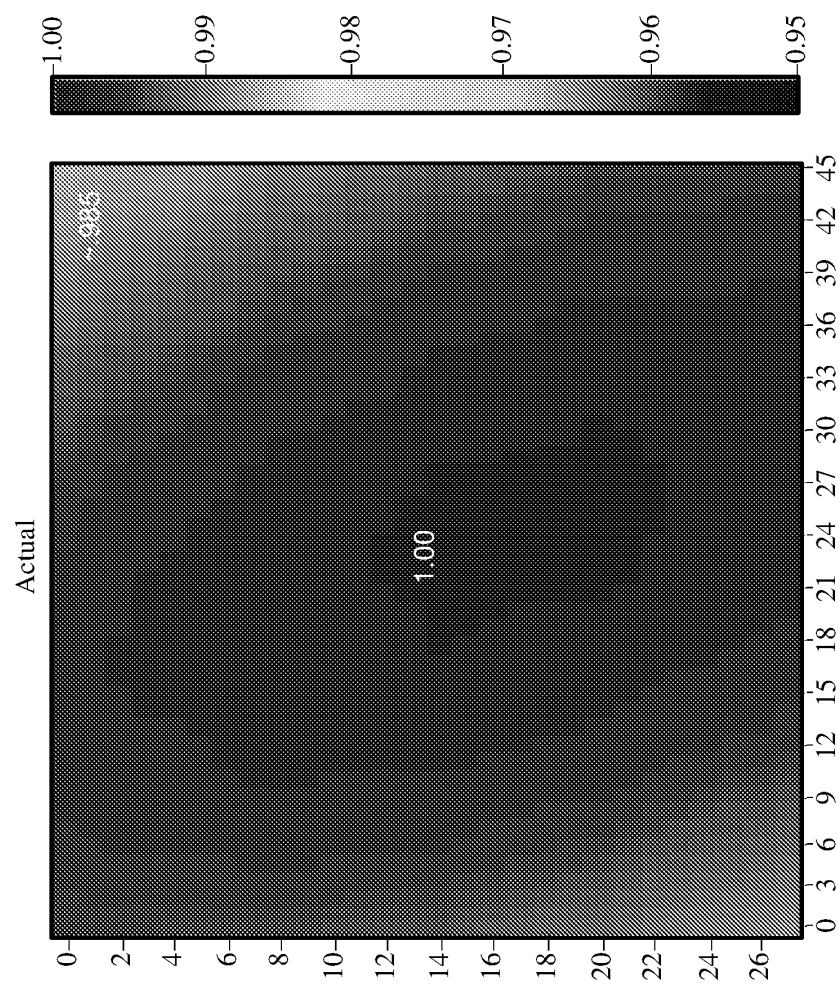


FIG. 11A

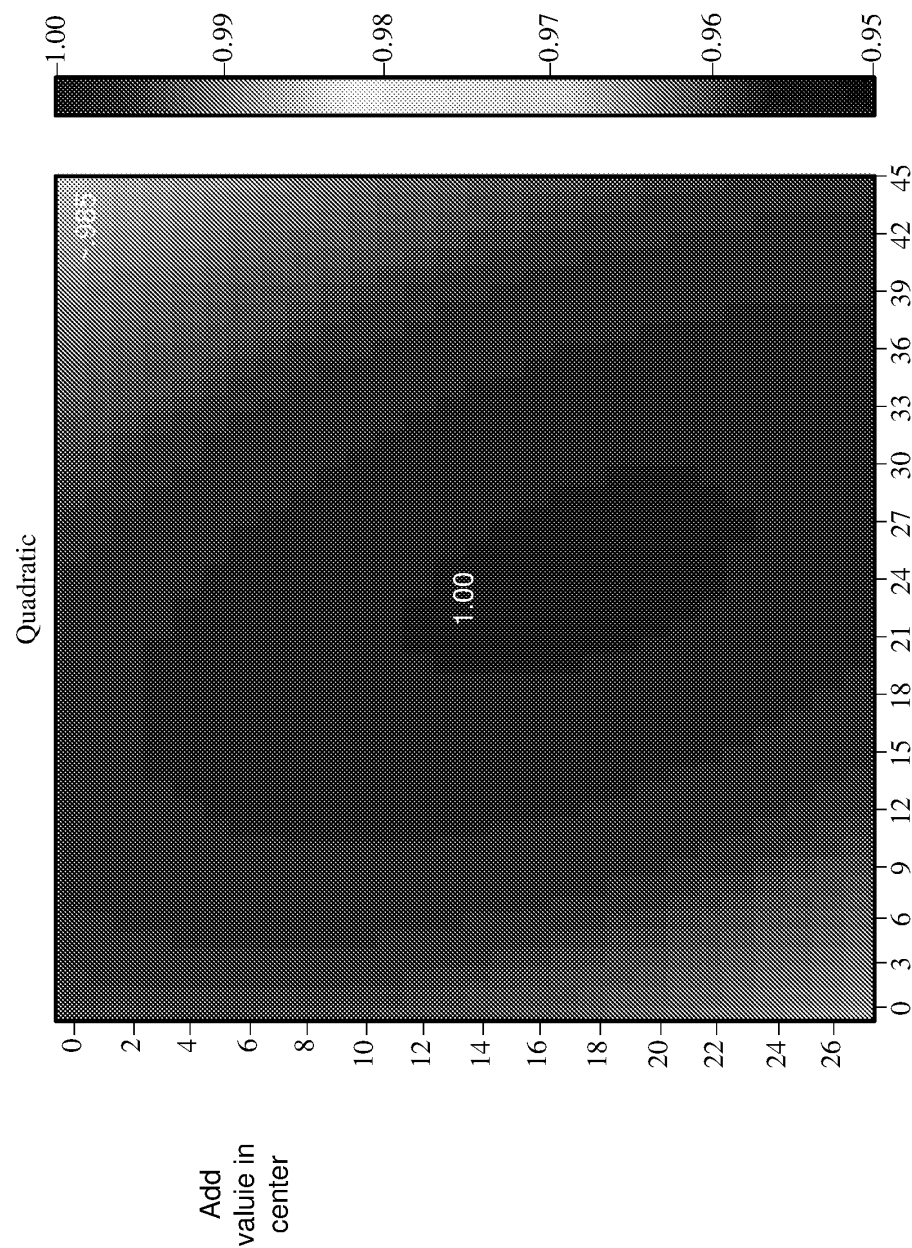


FIG. 11B

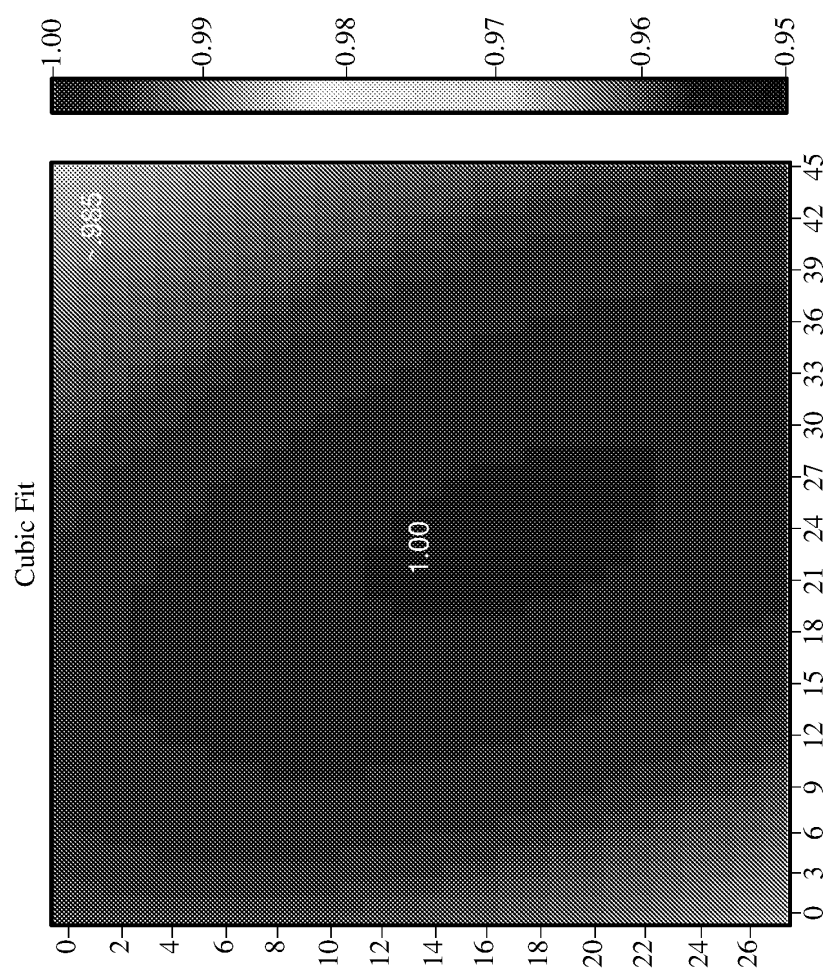


FIG. 11C

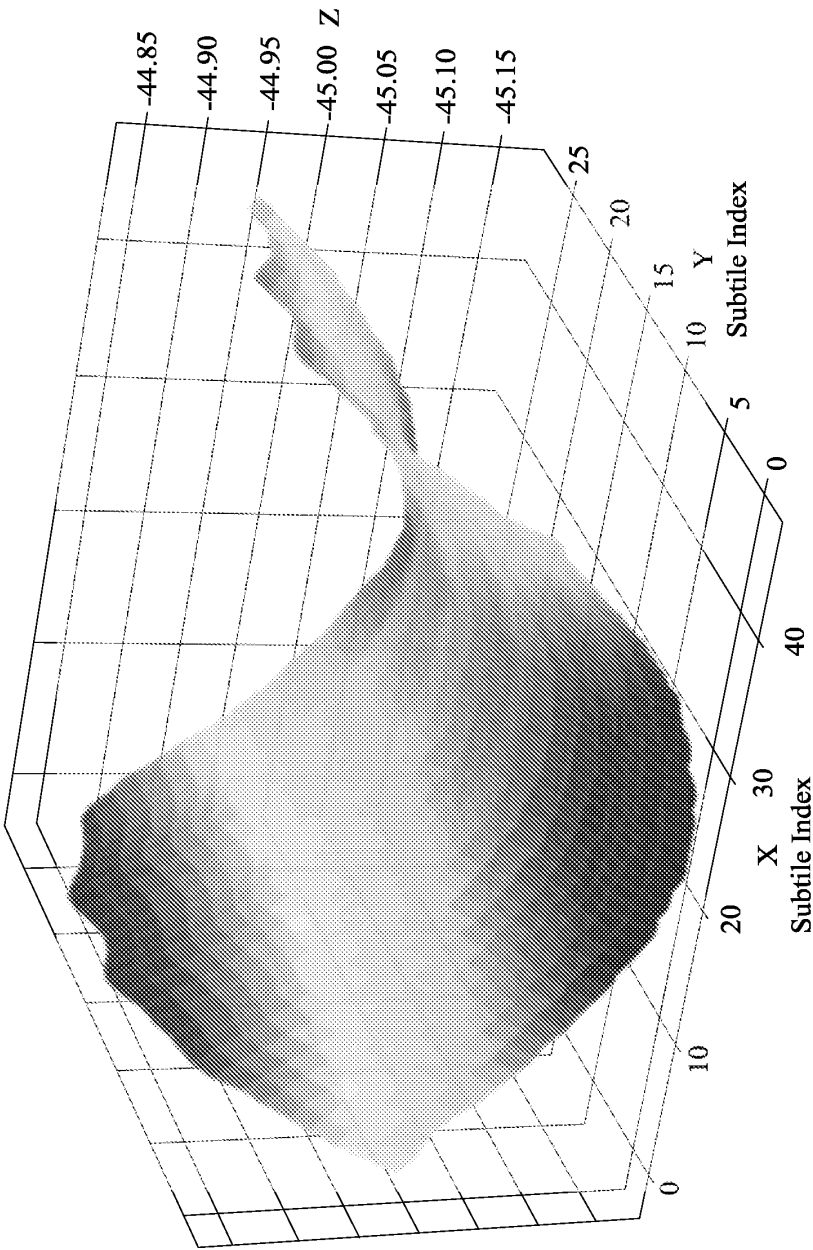


FIG. 12A

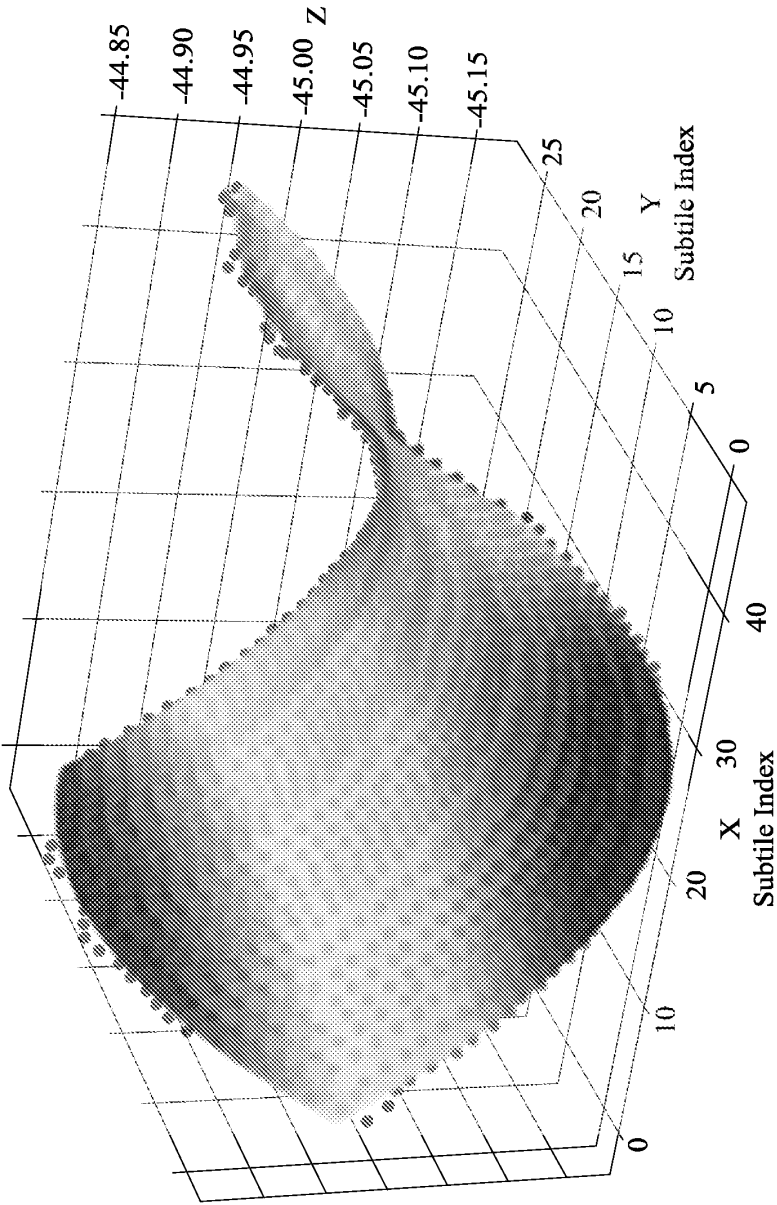


FIG. 12B

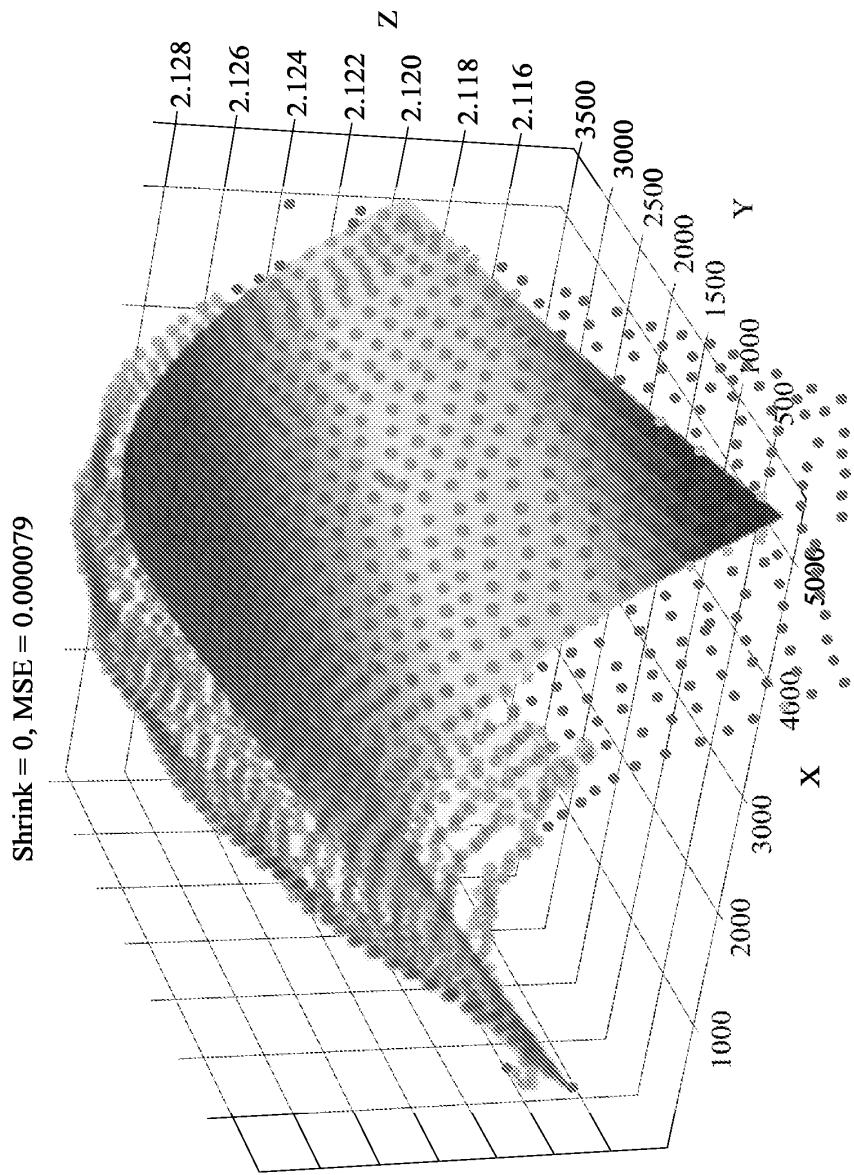


FIG. 13A

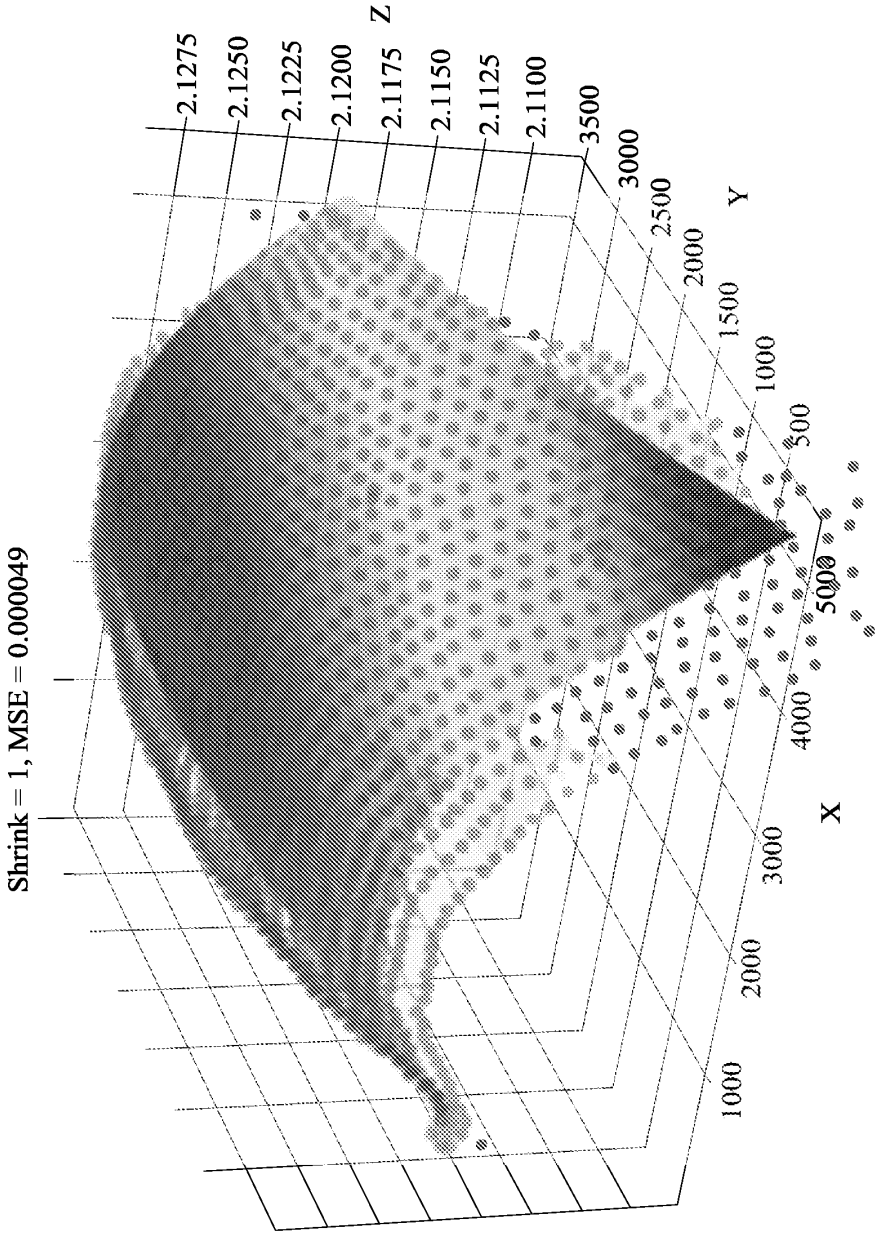


FIG. 13B

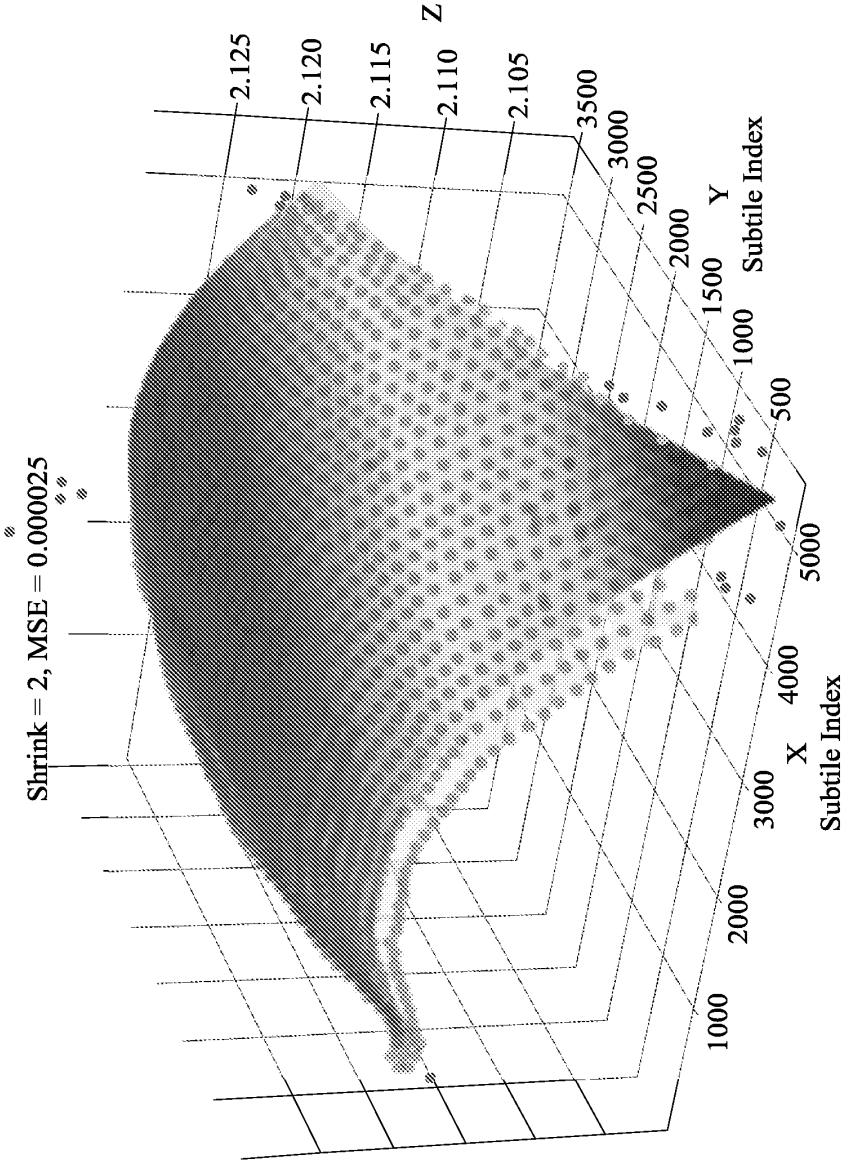


FIG. 13C

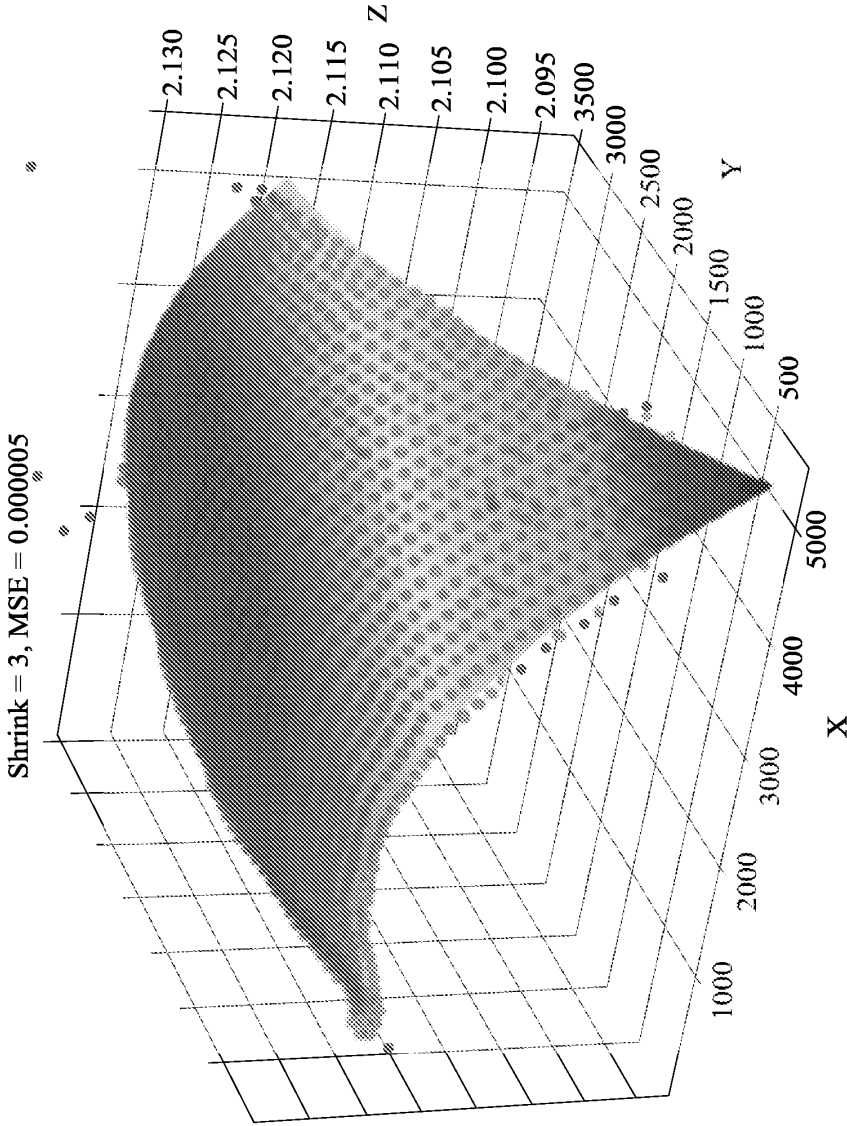


FIG. 13D

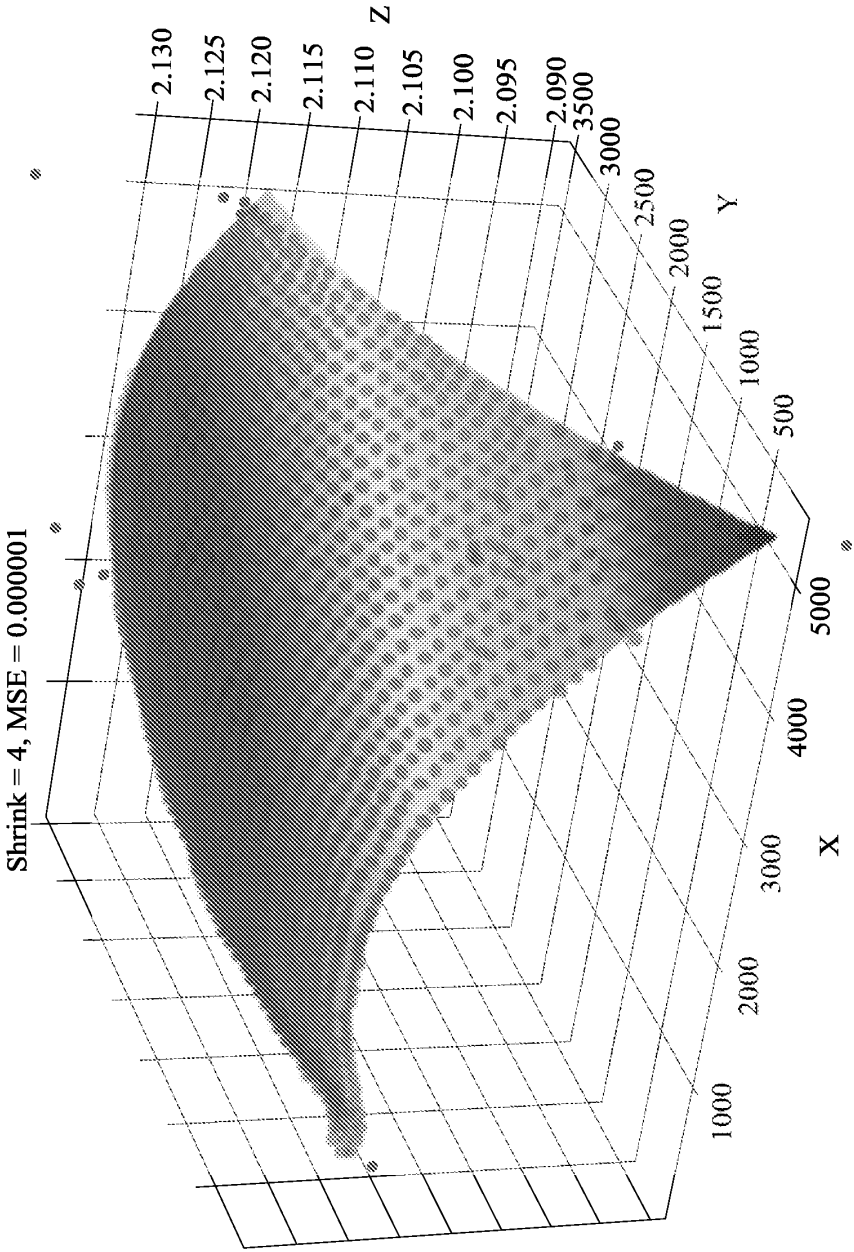


FIG. 13E

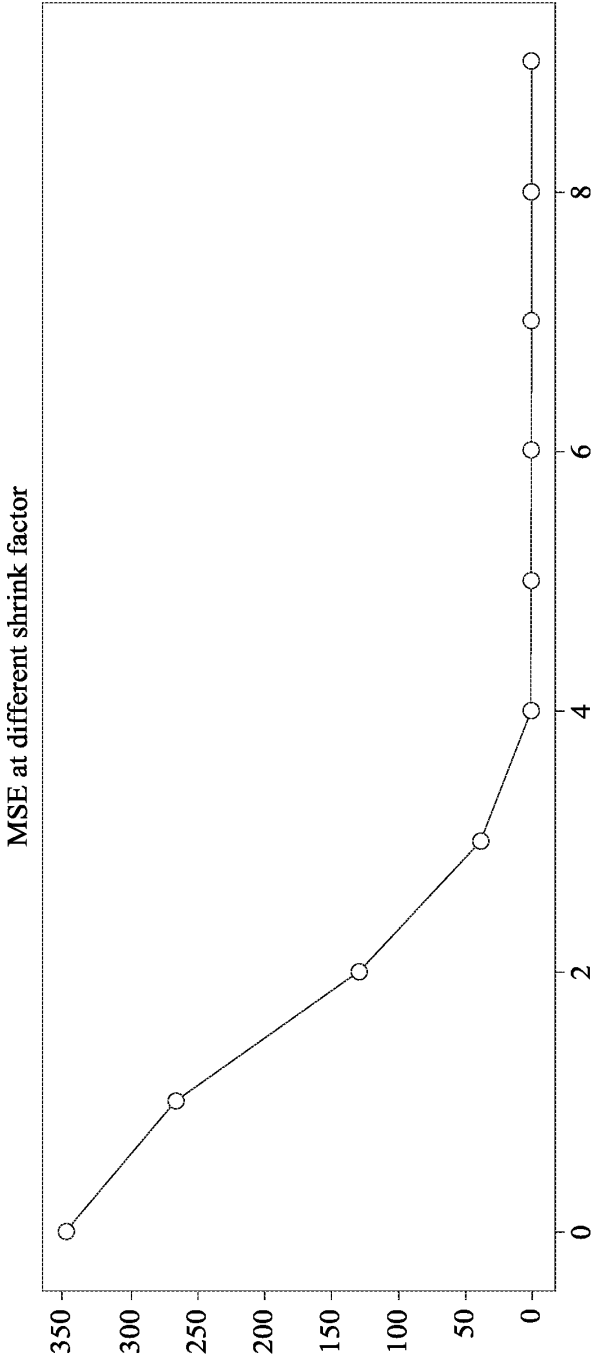


FIG. 14A

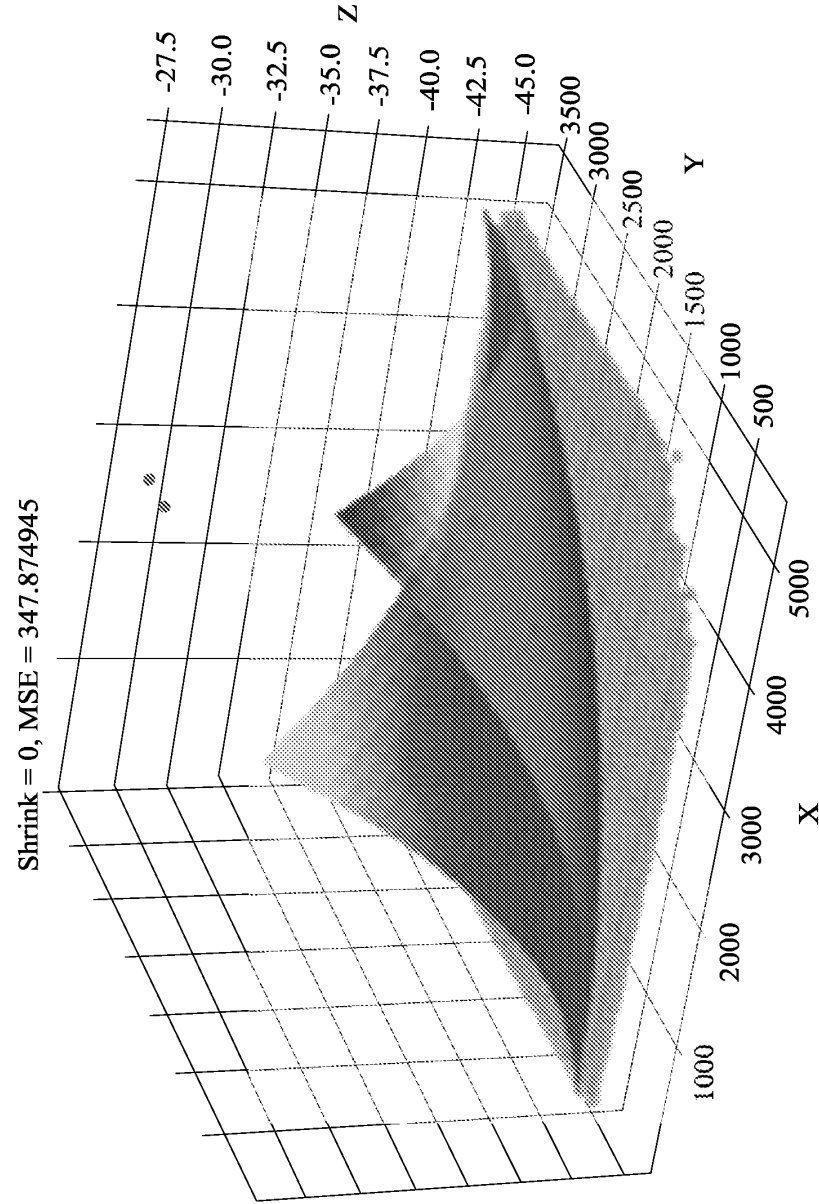


FIG. 14B

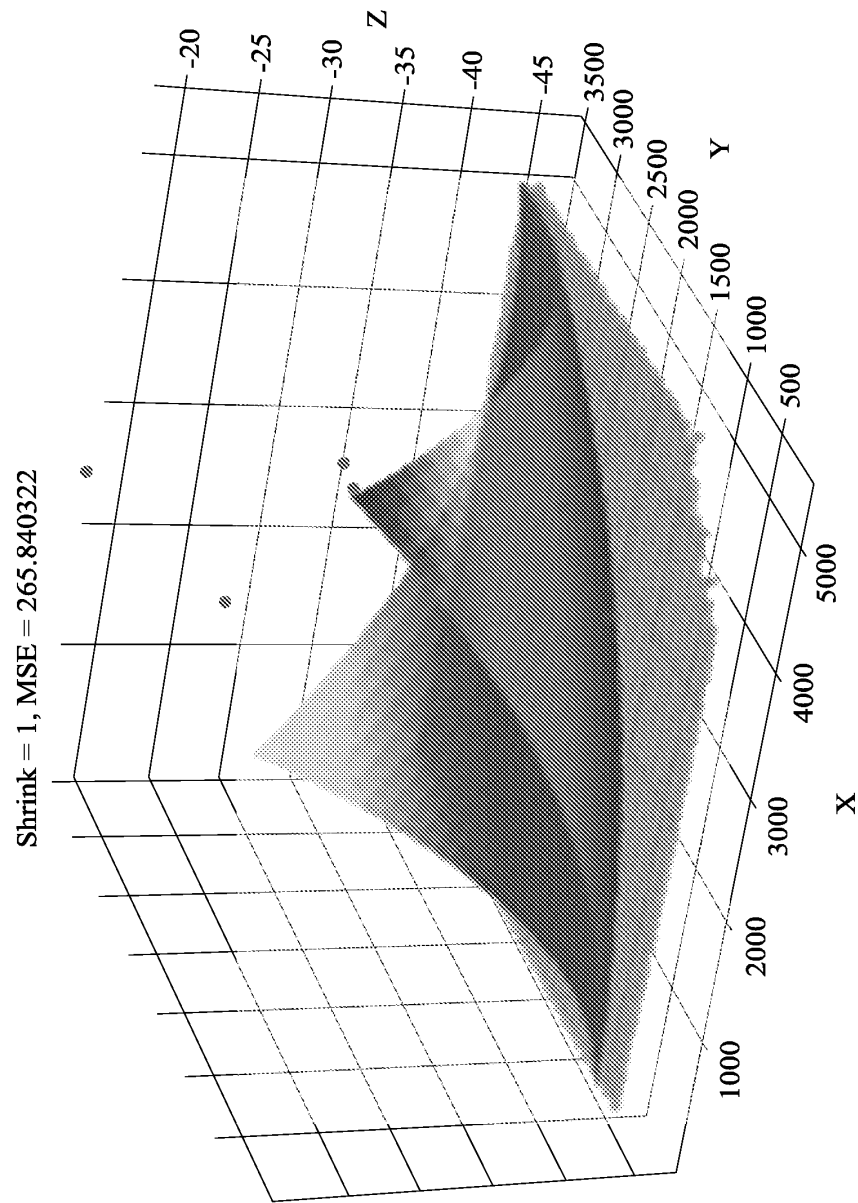


FIG. 14C

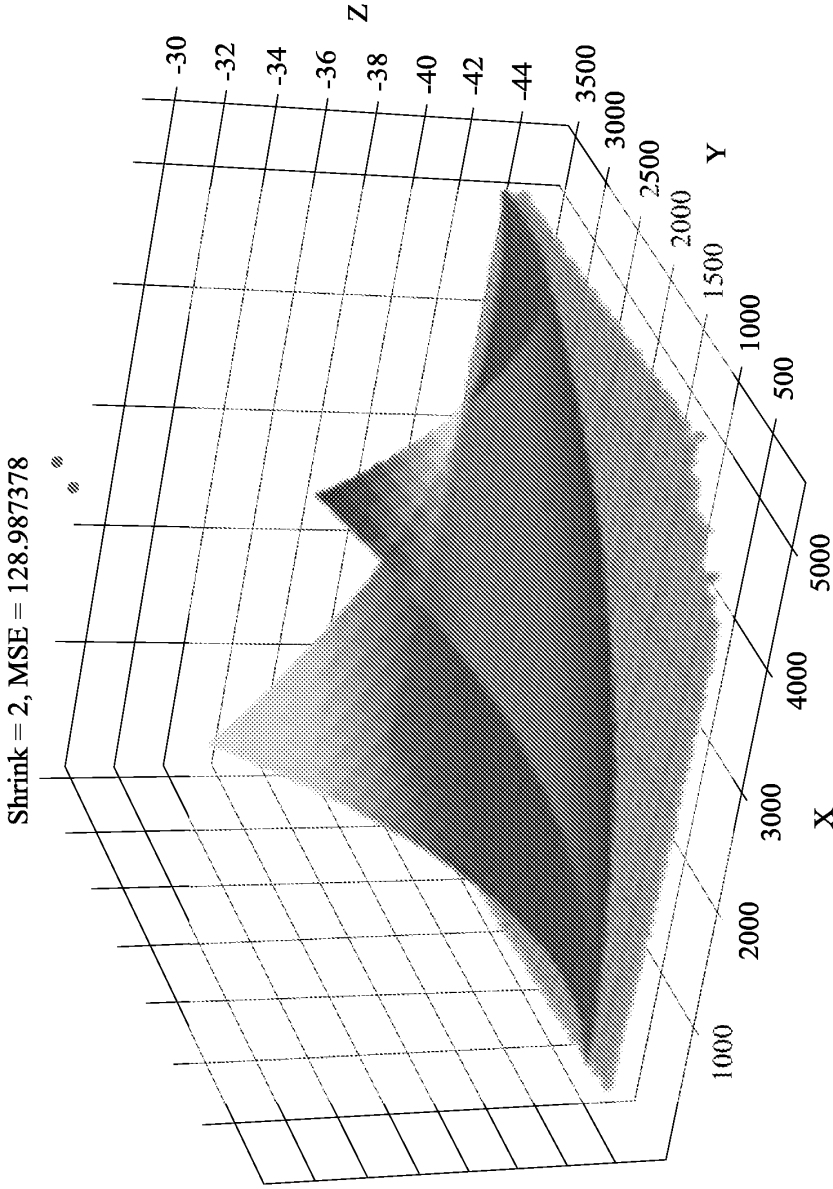


FIG. 14D

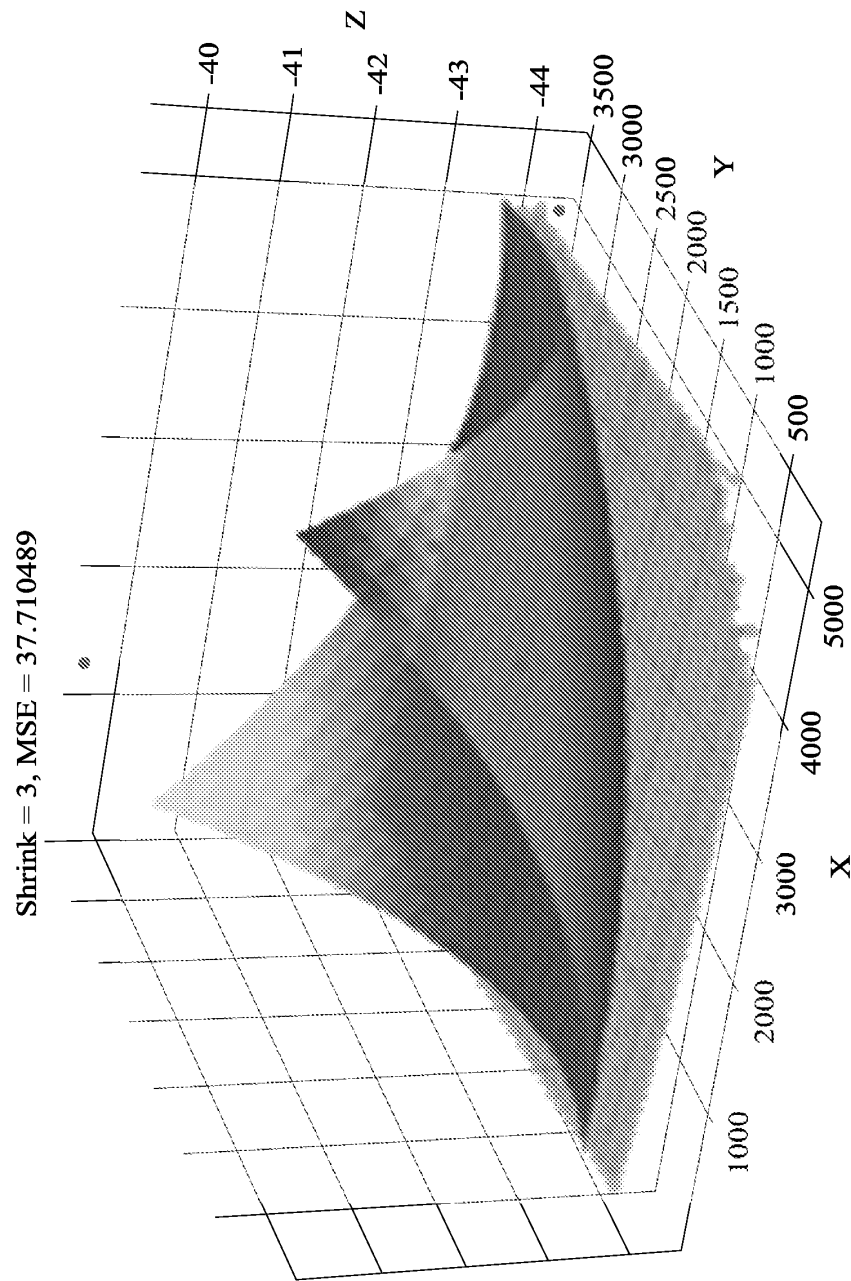


FIG. 14E

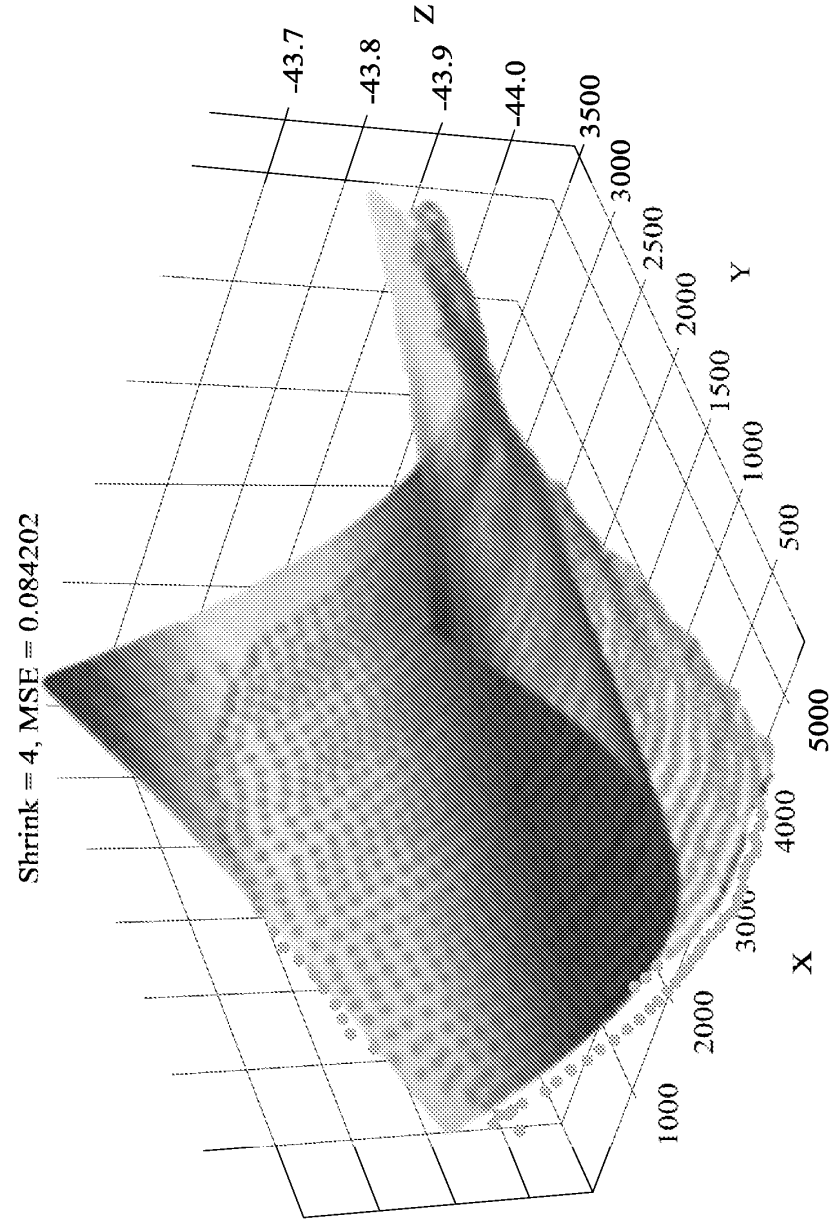


FIG. 14F

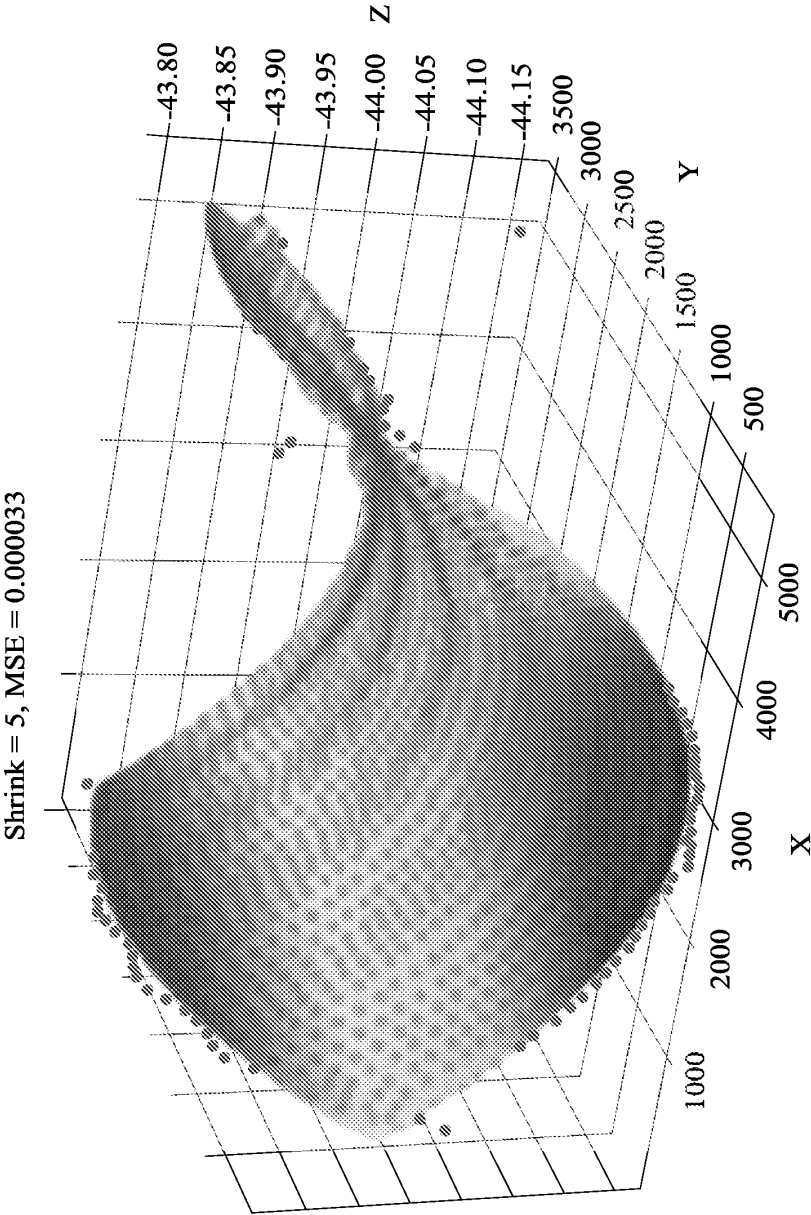


FIG. 14G

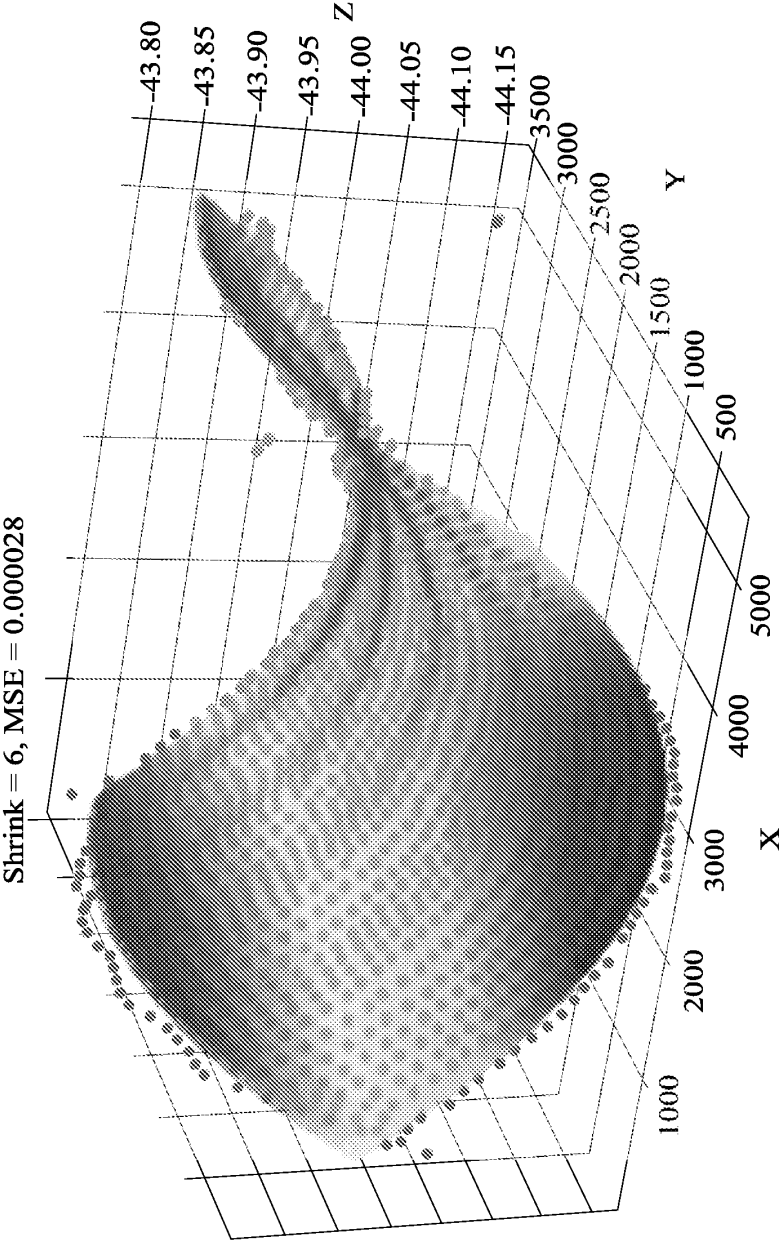


FIG. 14H

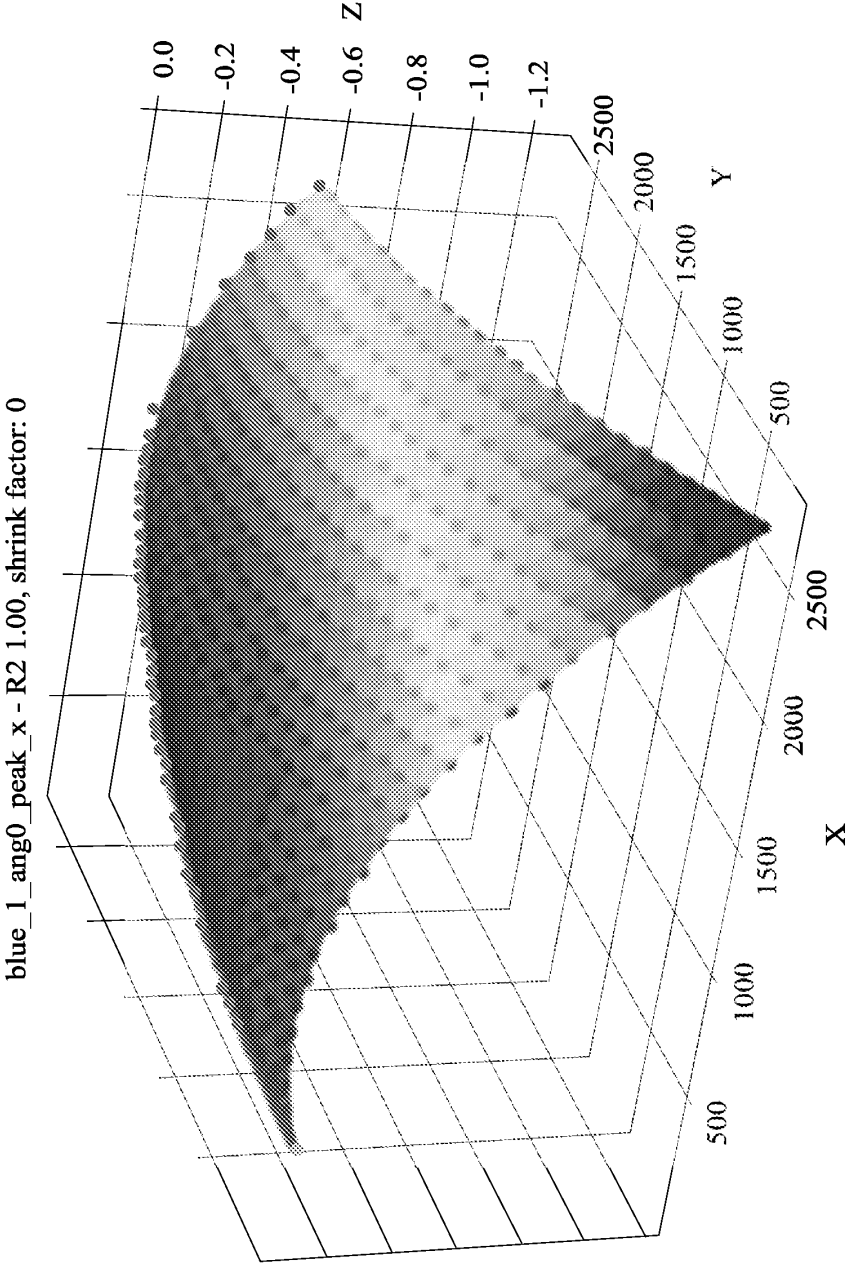


FIG. 15A

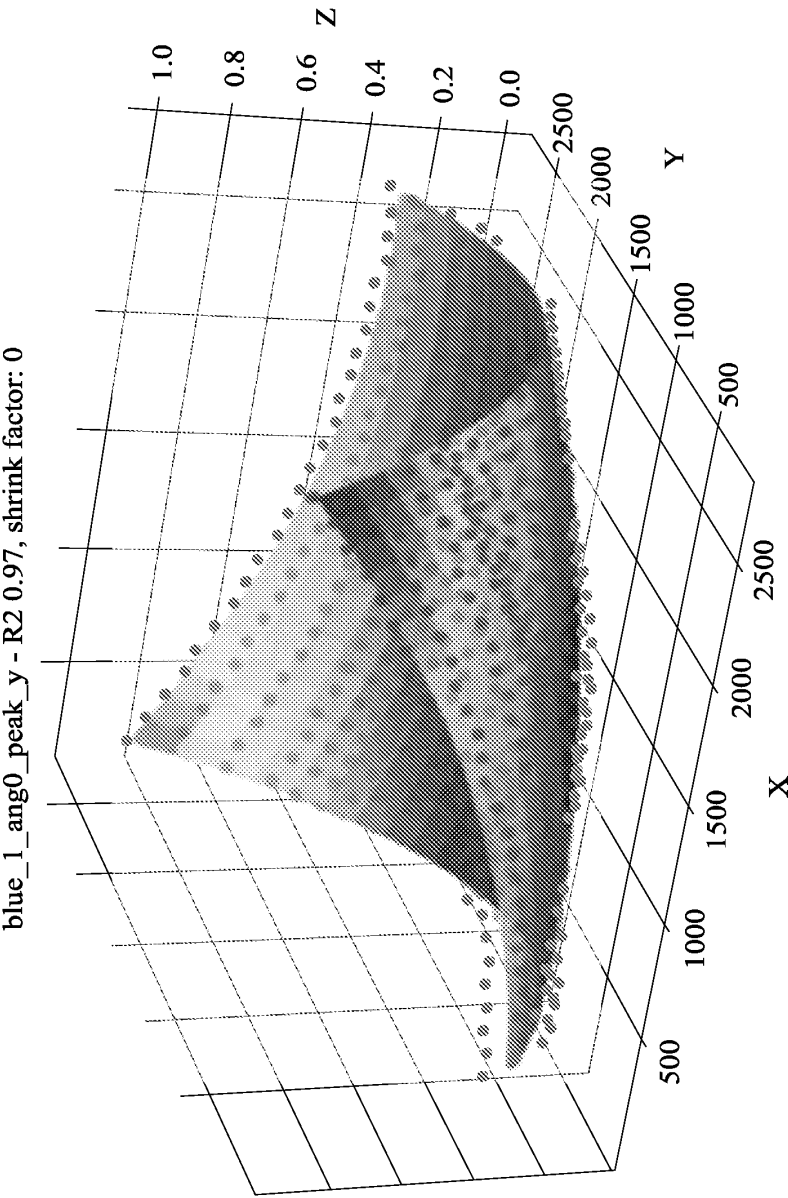


FIG. 15B

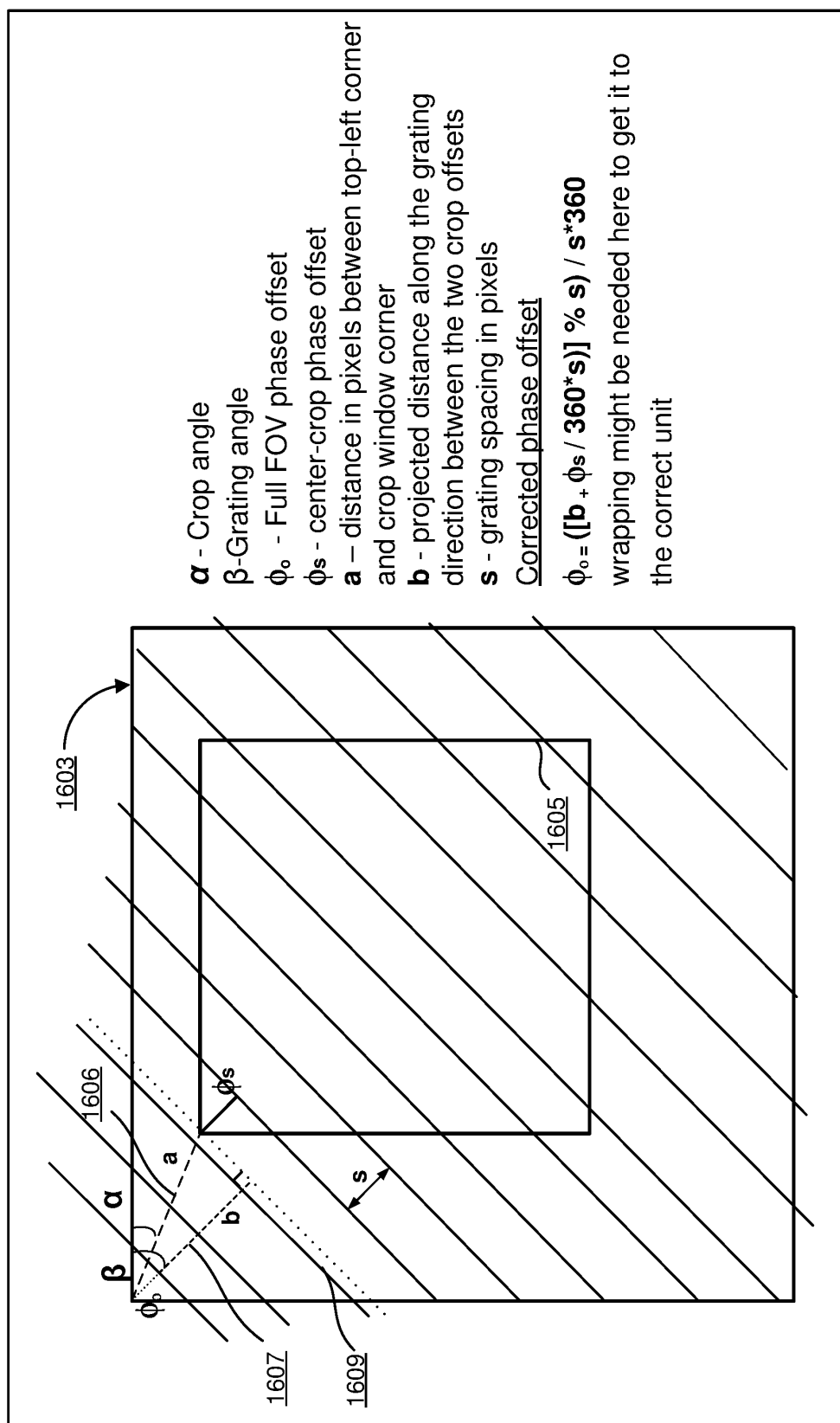


FIG. 16A

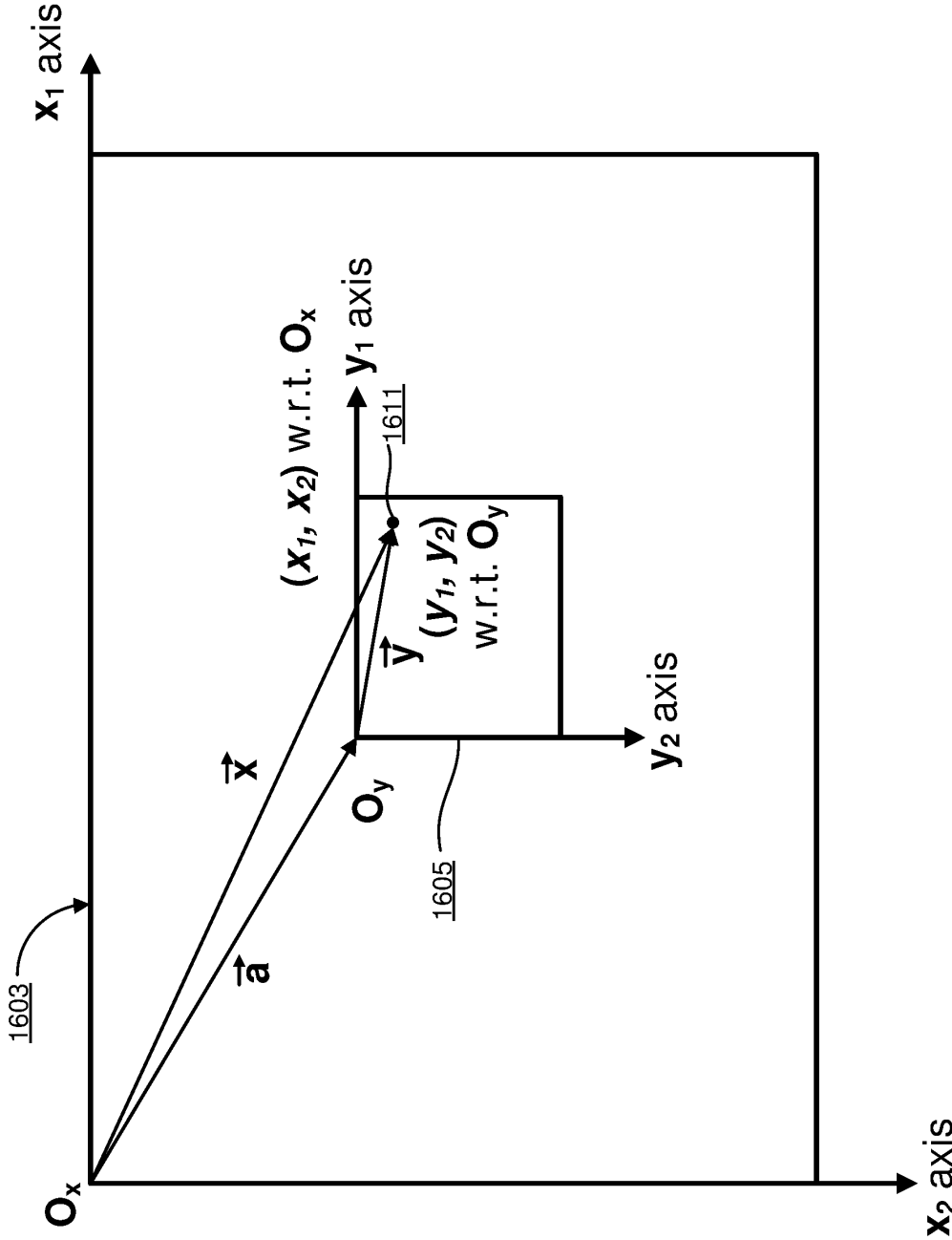


FIG. 16B

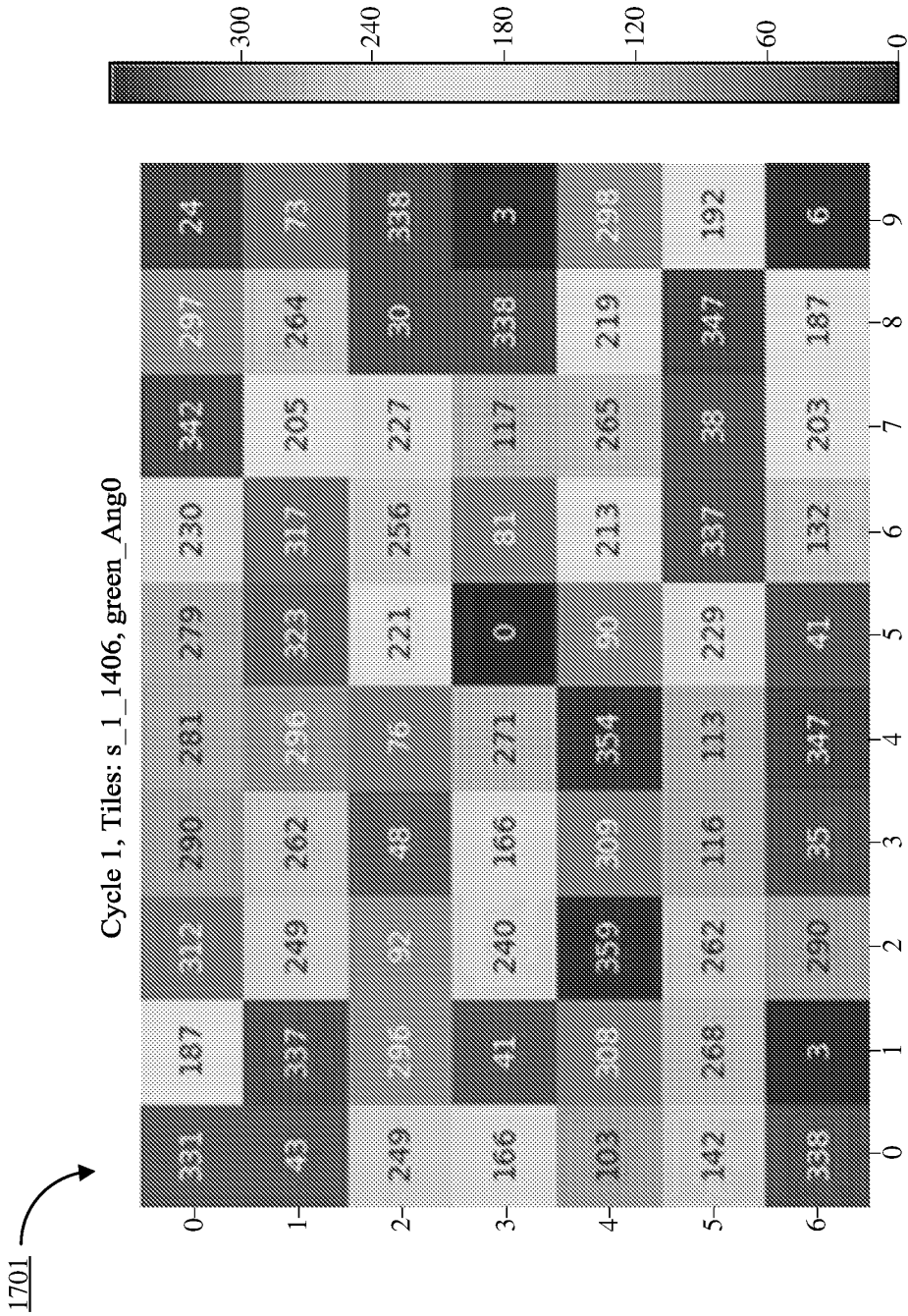
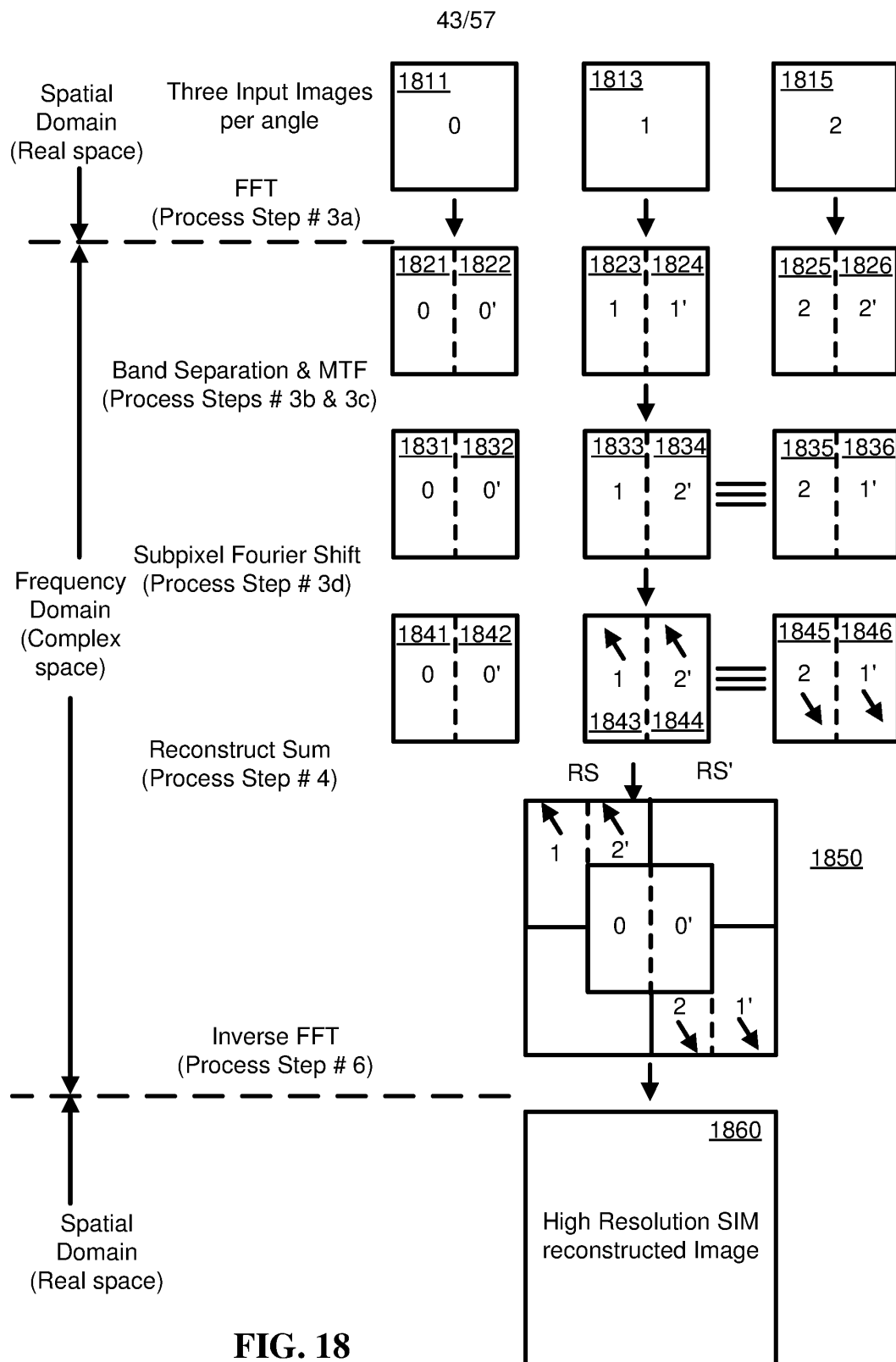


FIG. 17

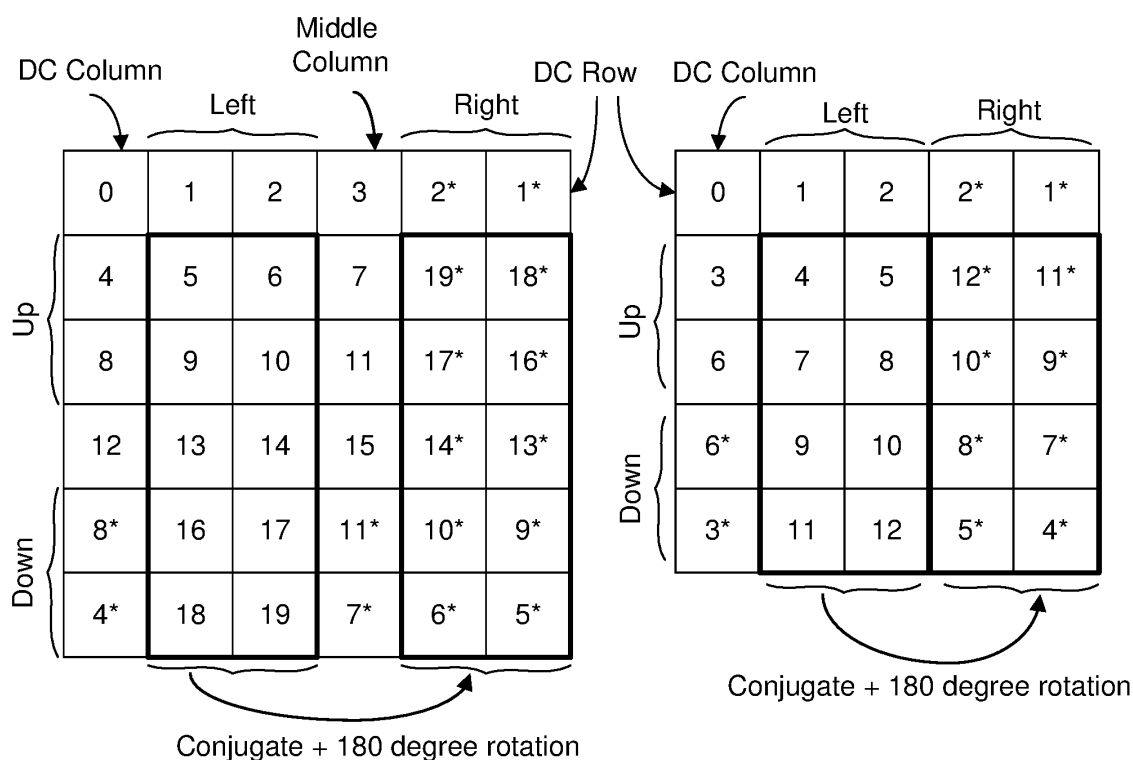


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Fourier Space Symmetry

N x N Matrix X is divided into two matrices A and B

$$A = N \times ((N/2) + 1) \quad B = N \times (N - (N/2) - 1)$$

Matrix X 1910 with Even NMatrix X 1920 with Odd NMatrix A 1911Matrix B 1912Matrix A 1921Matrix B 1922

0	1	2	3
4	5	6	7
8	9	10	11
12	13	14	15
8*	16	17	11*
4*	18	19	7*

2*	1*
19*	18*
17*	16*
14*	13*
10*	9*
6*	5*

0	1	2
3	4	5
6	7	8
6	9	10
3	11	12

2*	1*
12*	11*
10*	9*
8*	7*
5*	4*

FIG. 19

Three acquired images with one angle in Frequency domain

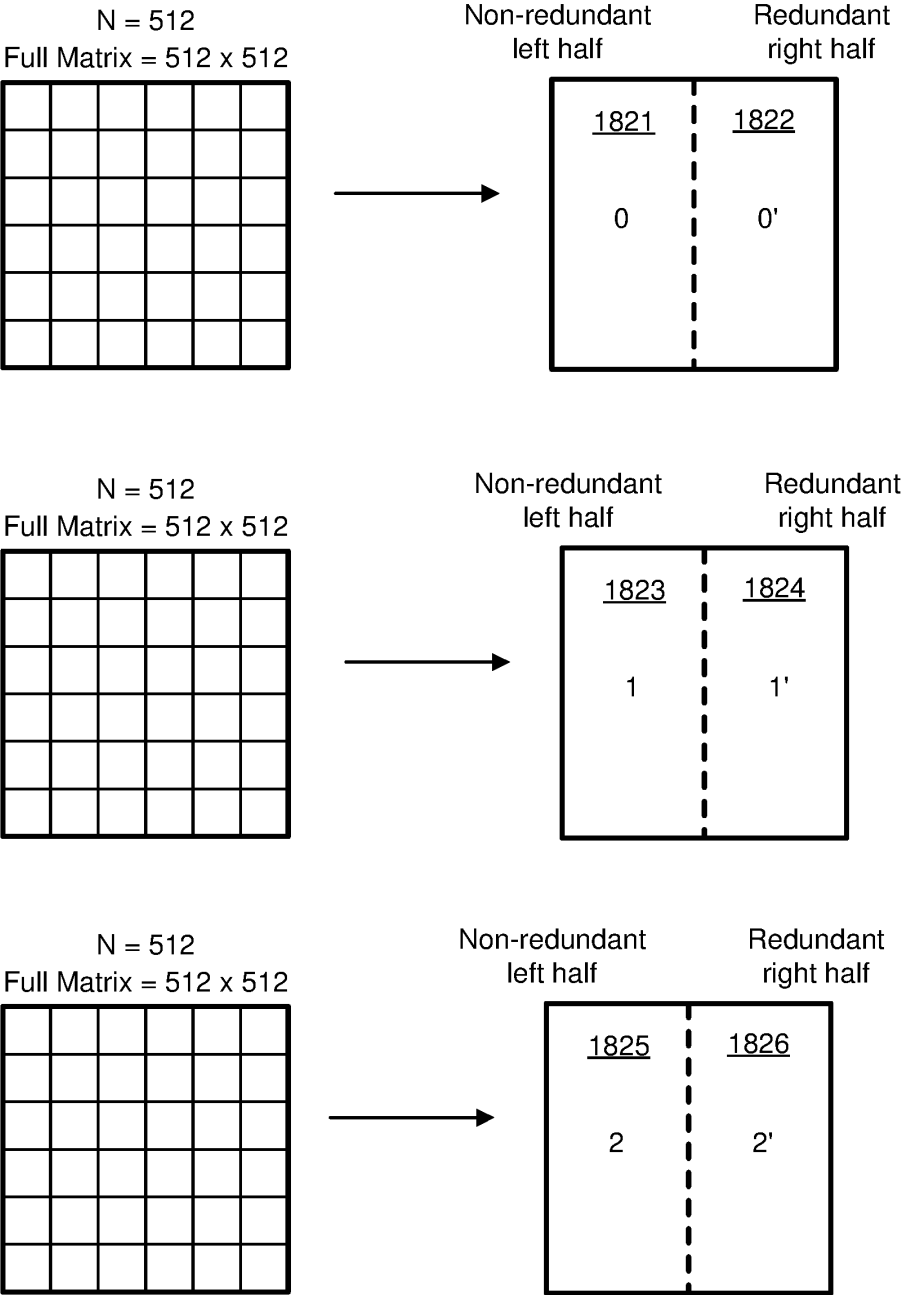


FIG. 20

Band Separation (1/2)

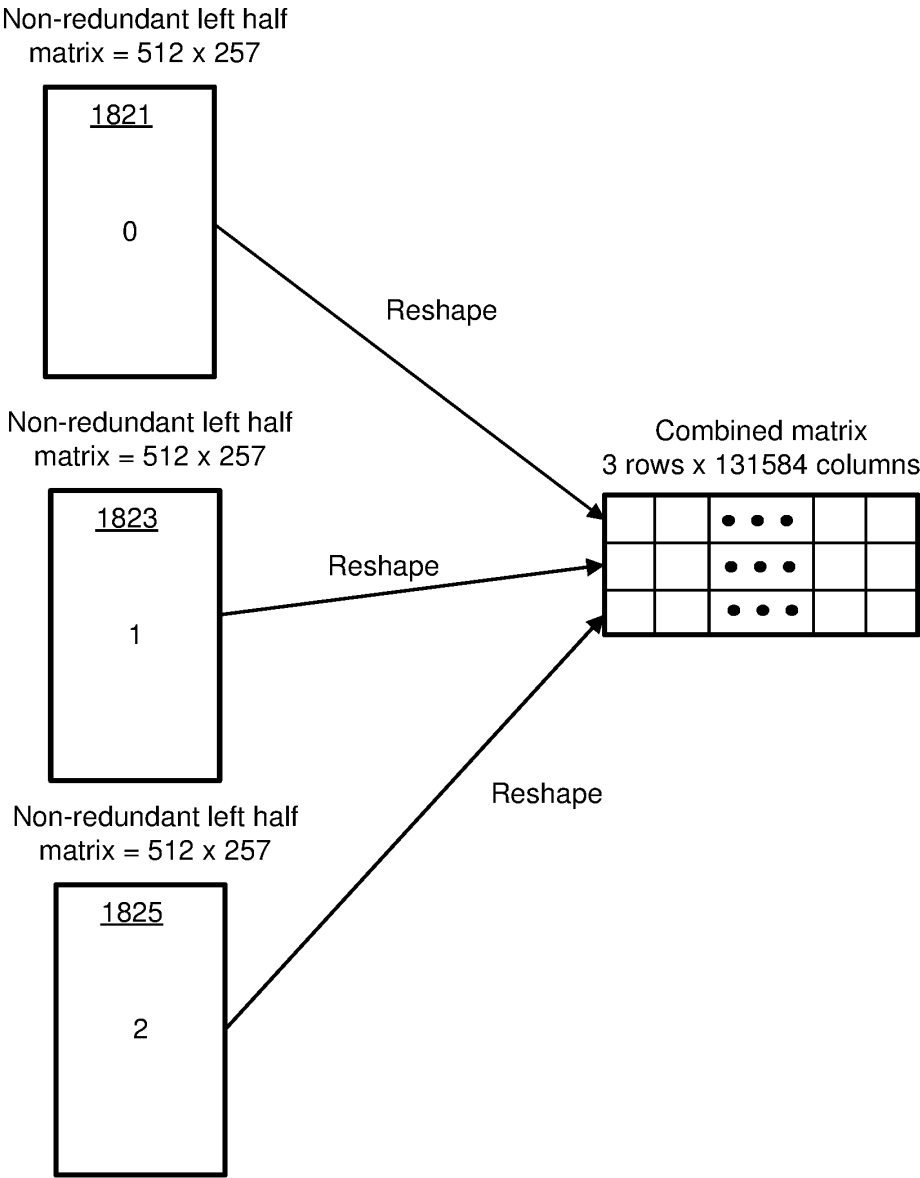


FIG. 21

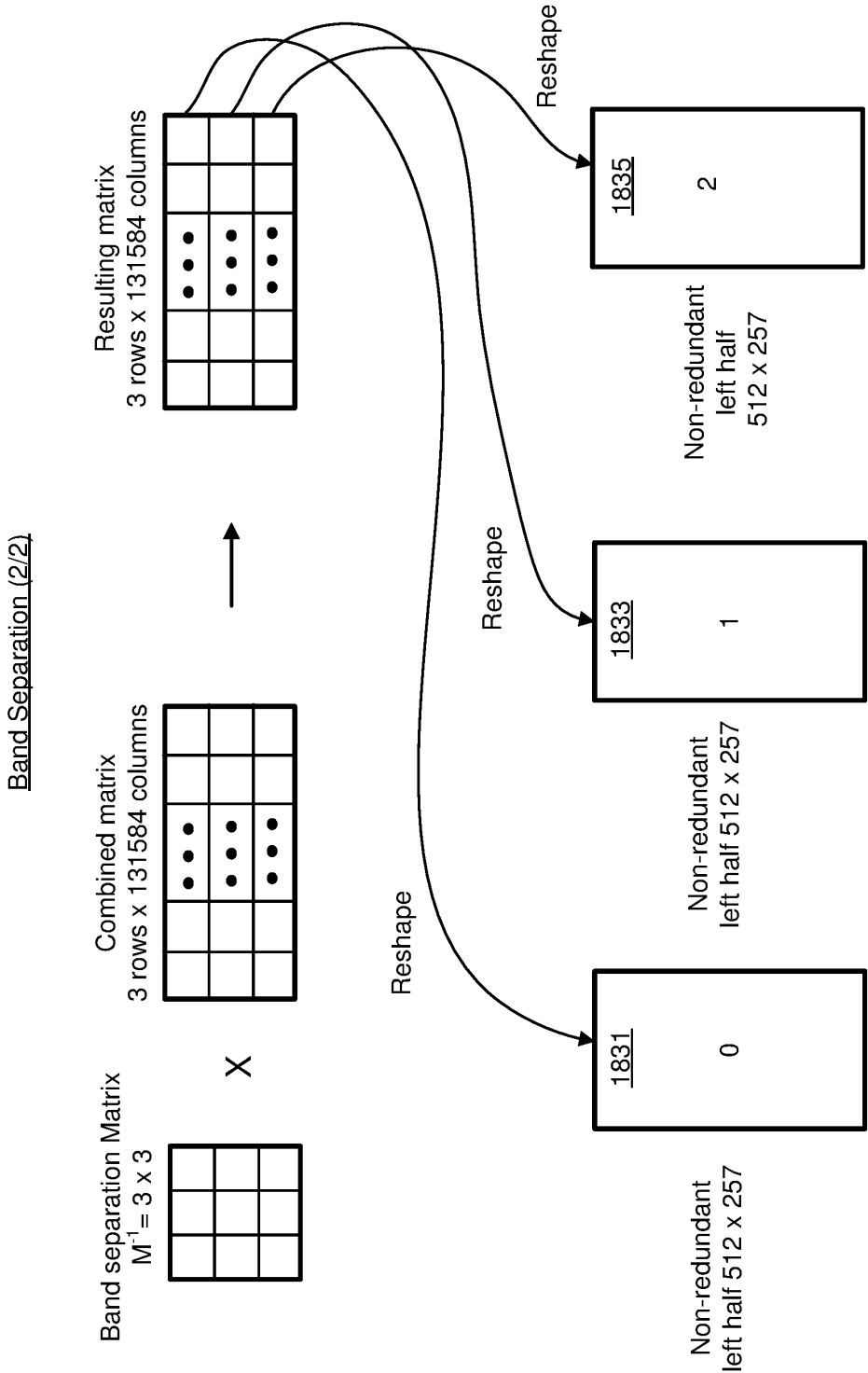


FIG. 22

Fourier Space Symmetry

N x N Matrix X is divided into two matrices A and B
 $A = N \times ((N/2) + 1)$ $B = N \times (N - (N/2) - 1)$

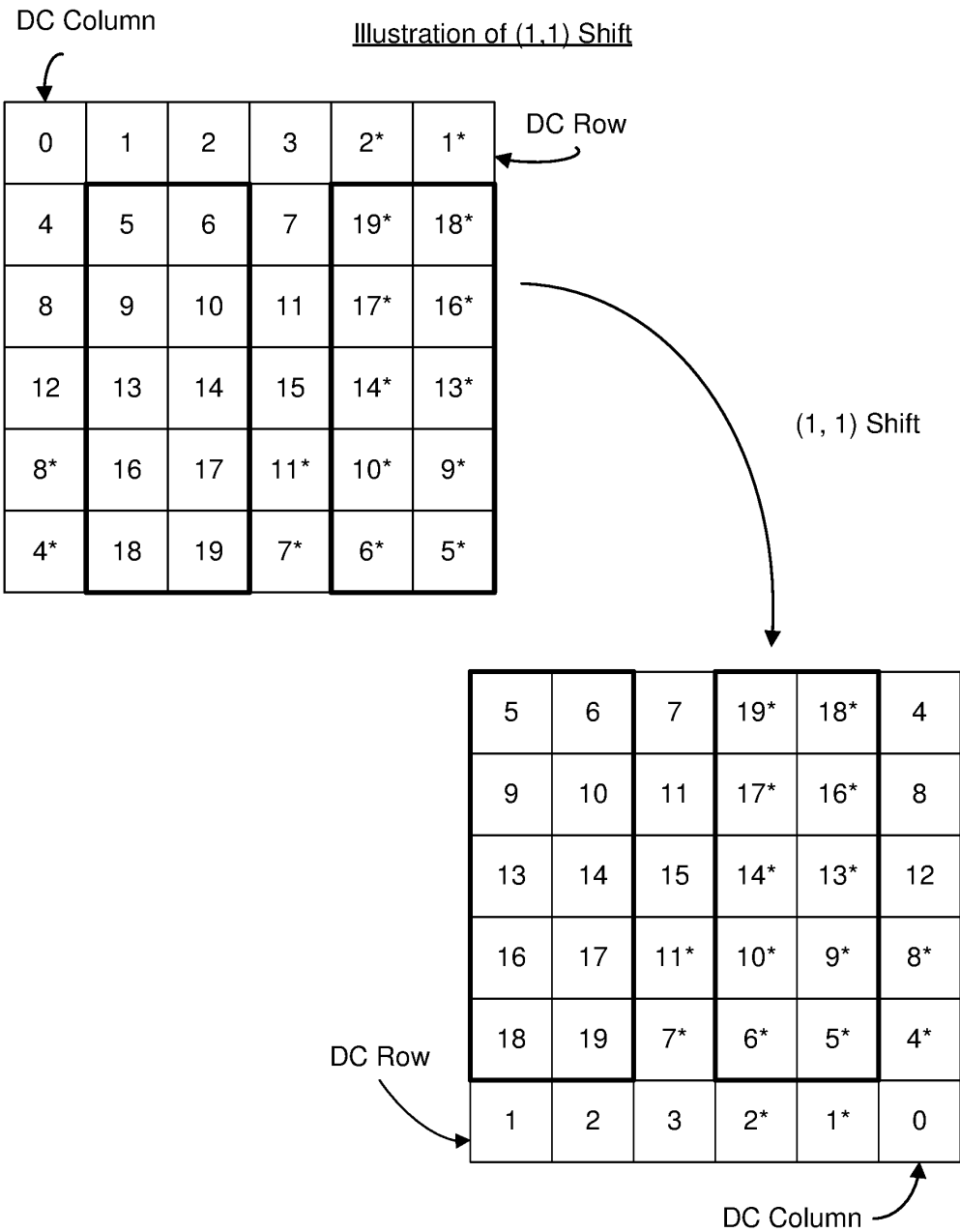
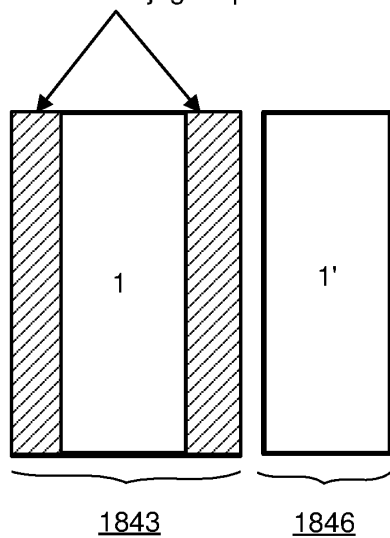


FIG. 23A

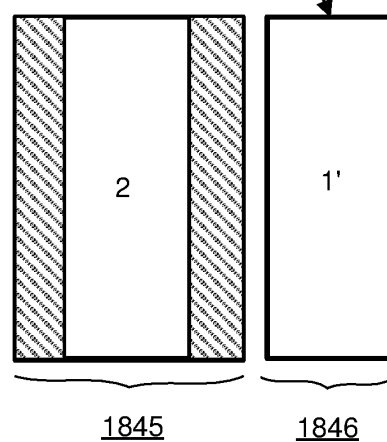
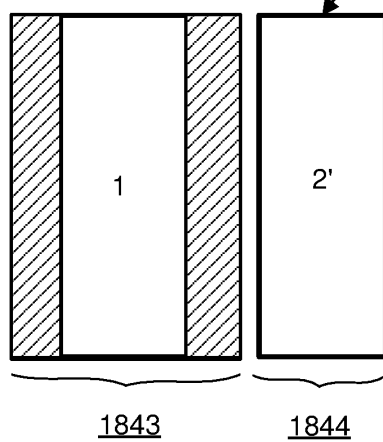
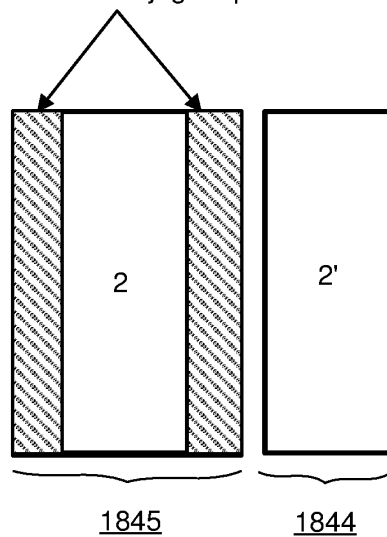
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First and Middle Column Averaging

First and Middle Columns have
vertically mirrored symmetry
between conjugate pairs



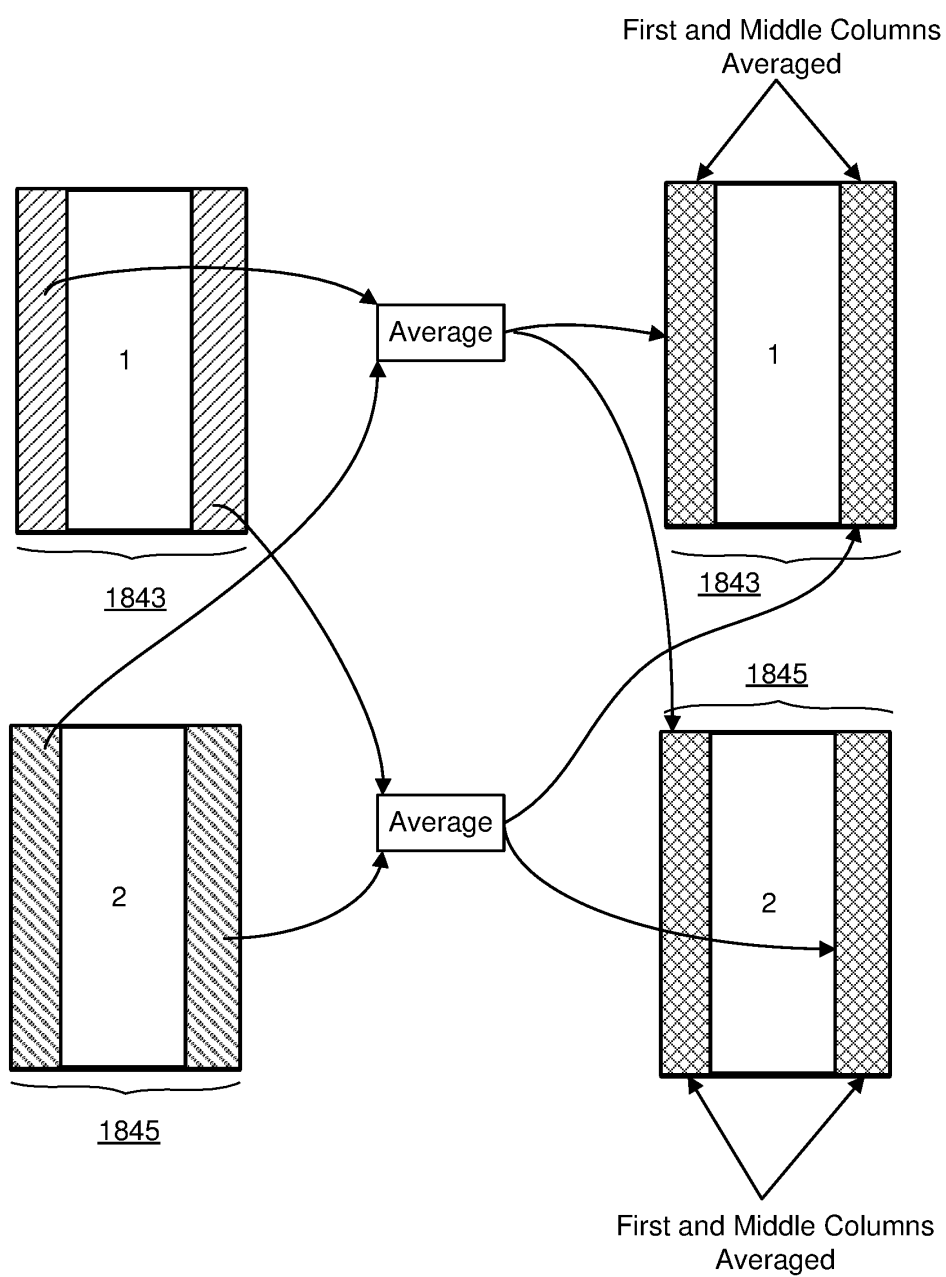
First and Middle Columns have
vertically mirrored symmetry
between conjugate pairs

**FIG. 23B**

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First and Middle Column Averaging

Non-redundant left half
matrices = 512 x 257

**FIG. 23C**

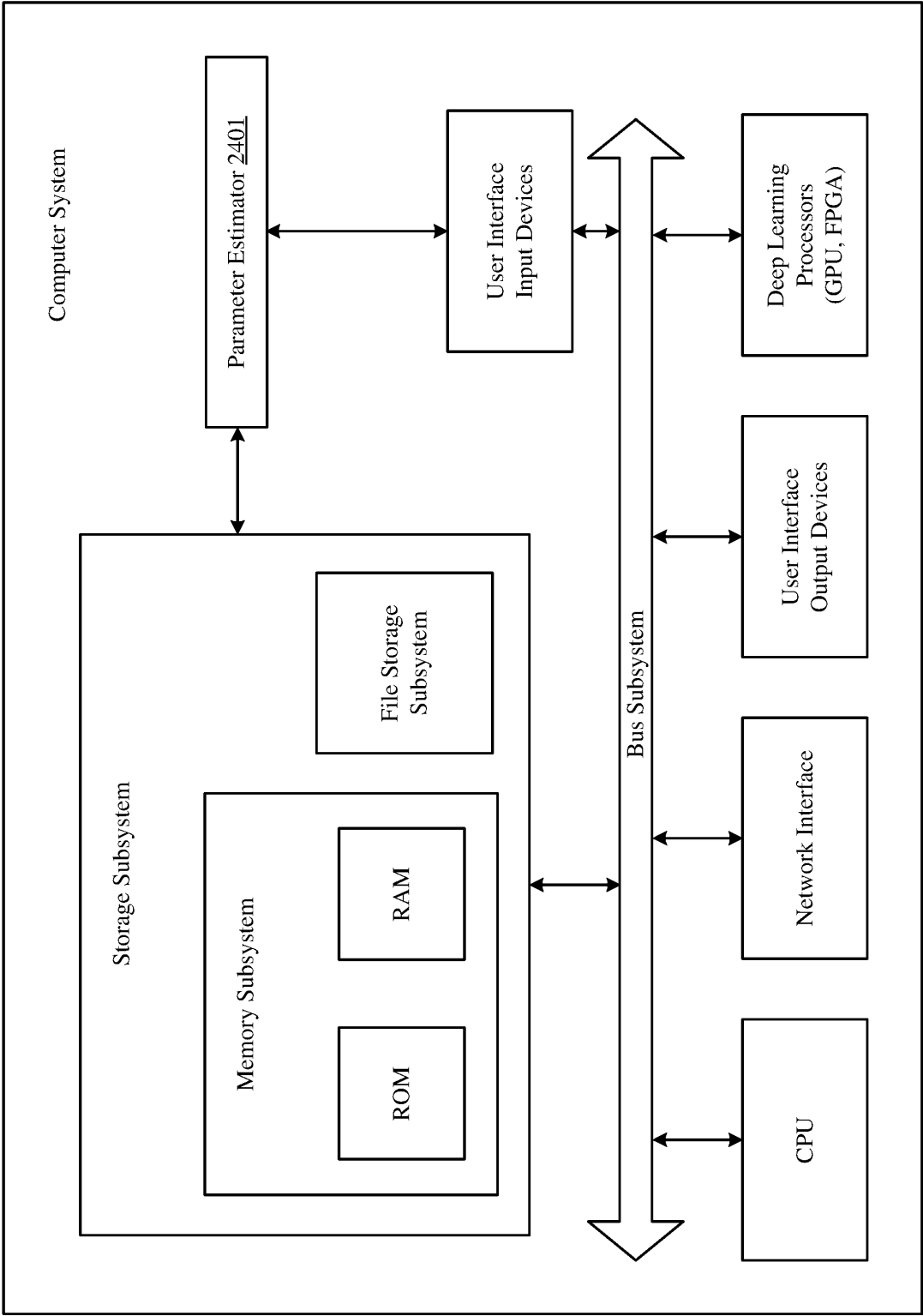


FIG. 24

Best Tile Error Rate

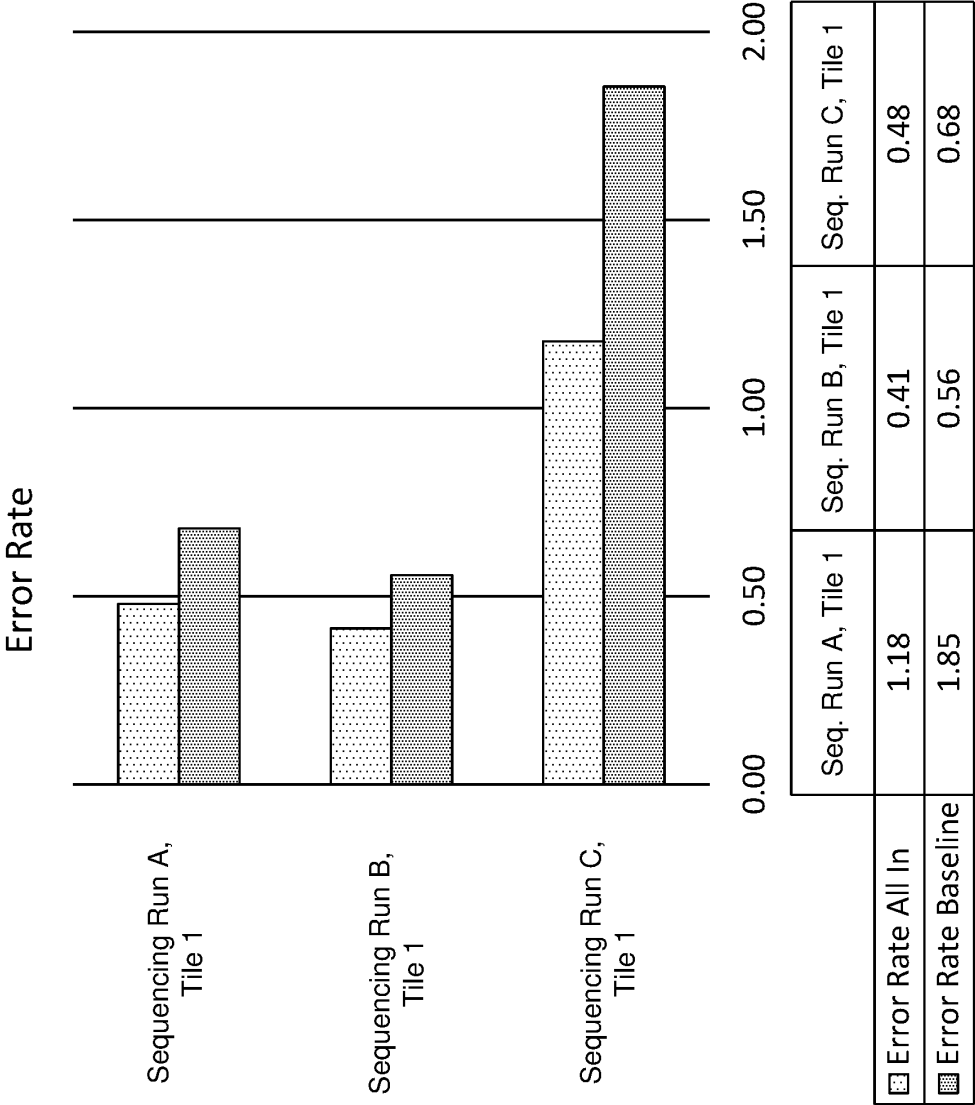


FIG. 25A

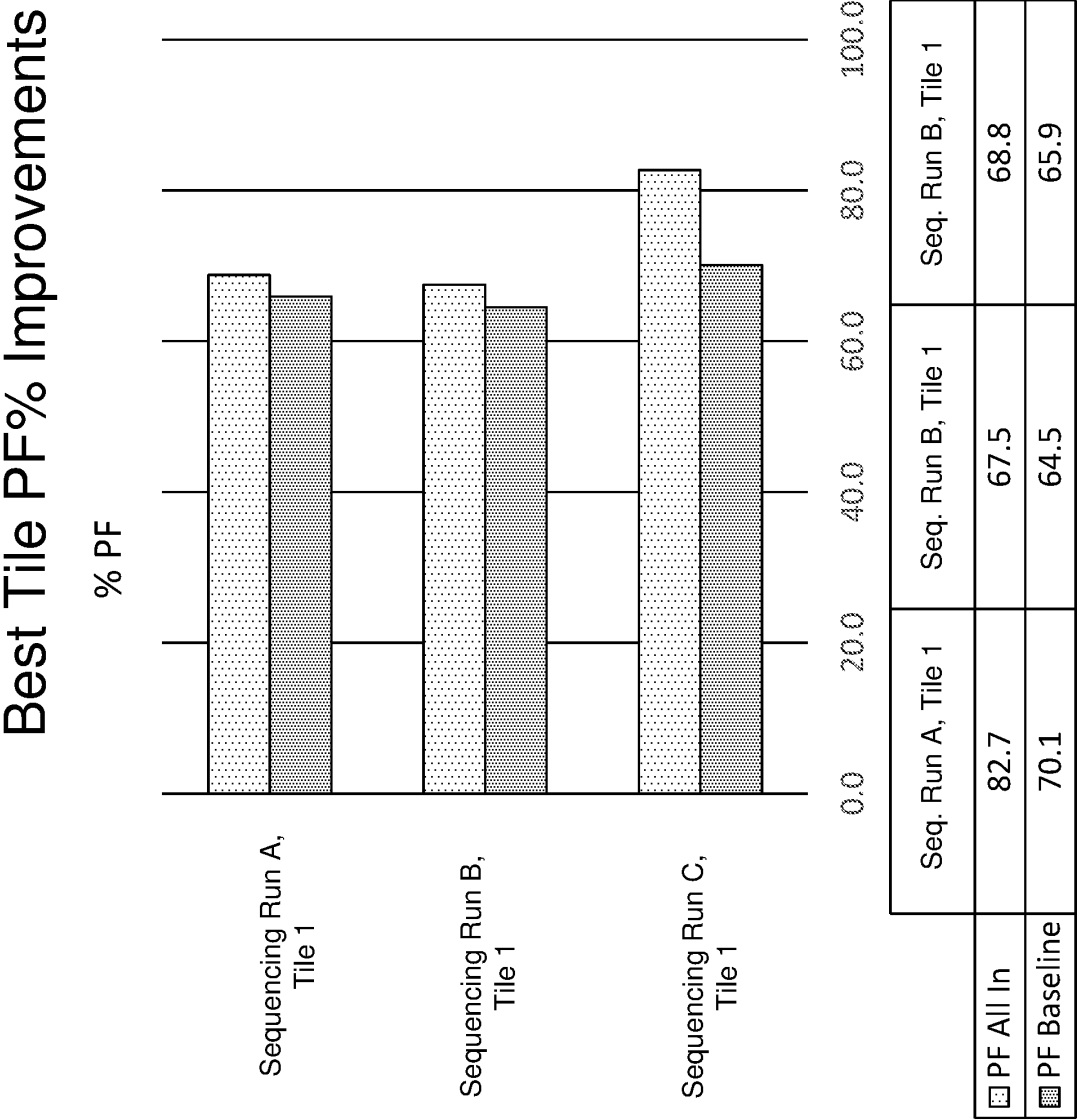


FIG. 25B

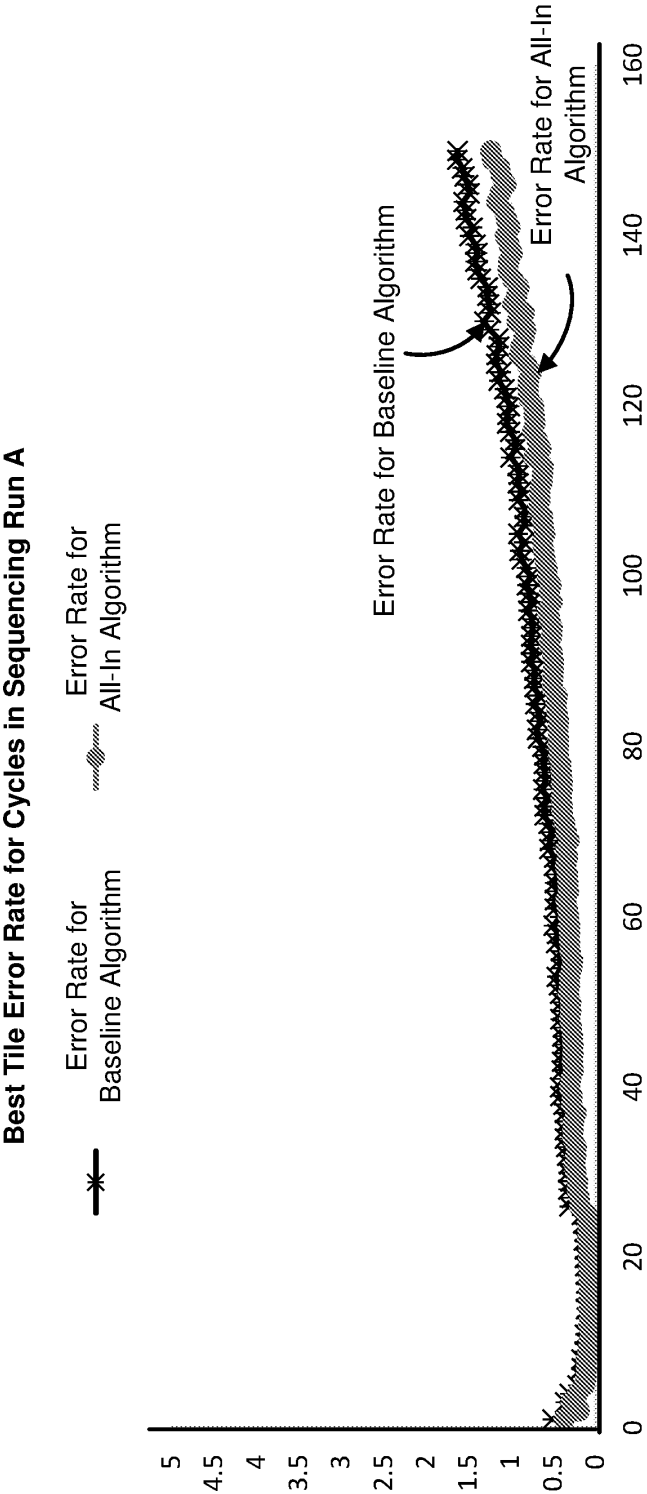


FIG. 26A

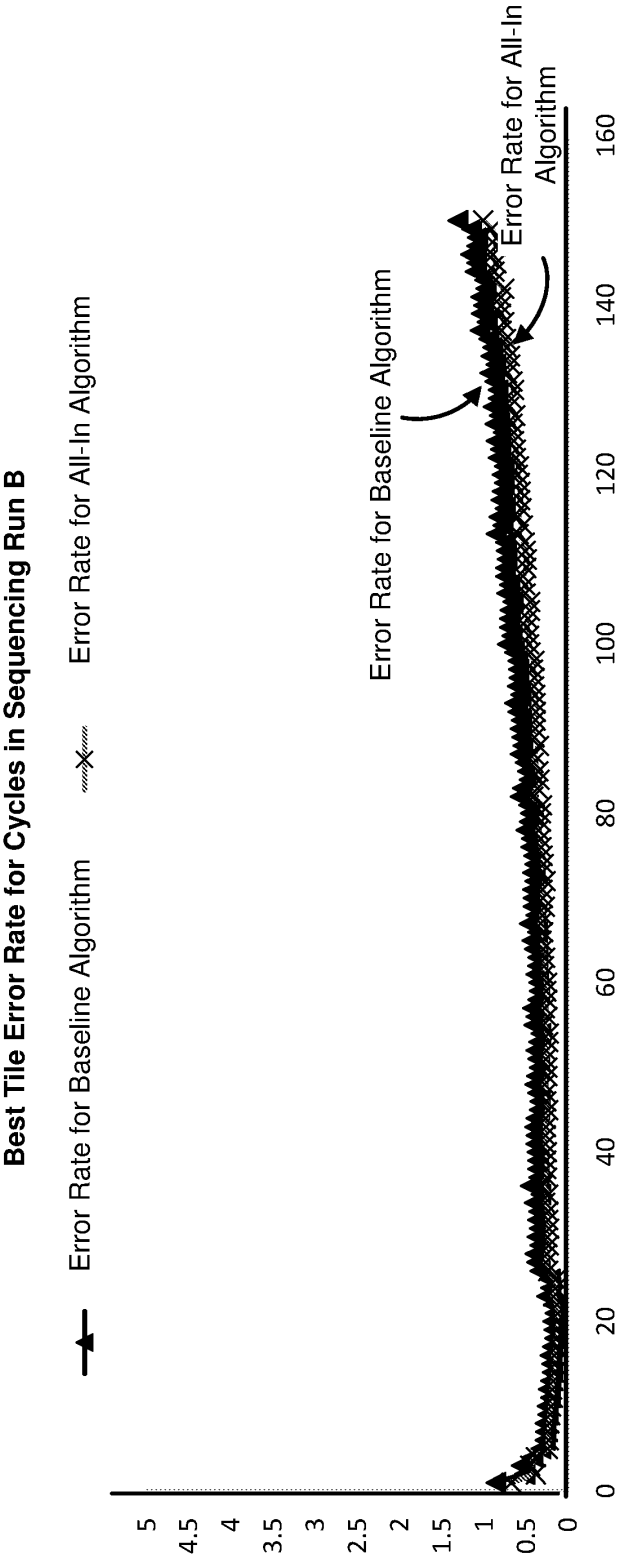


FIG. 26B

Best Tile Error Rate for Cycles in Sequencing Run C

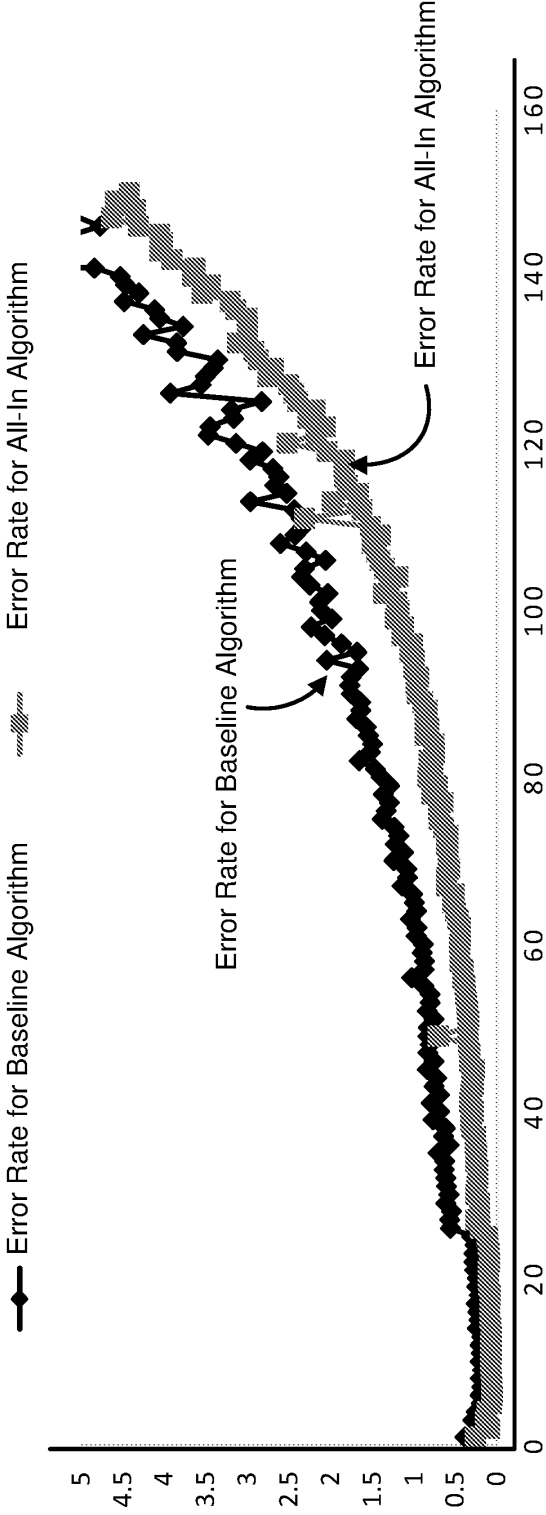


FIG. 26C

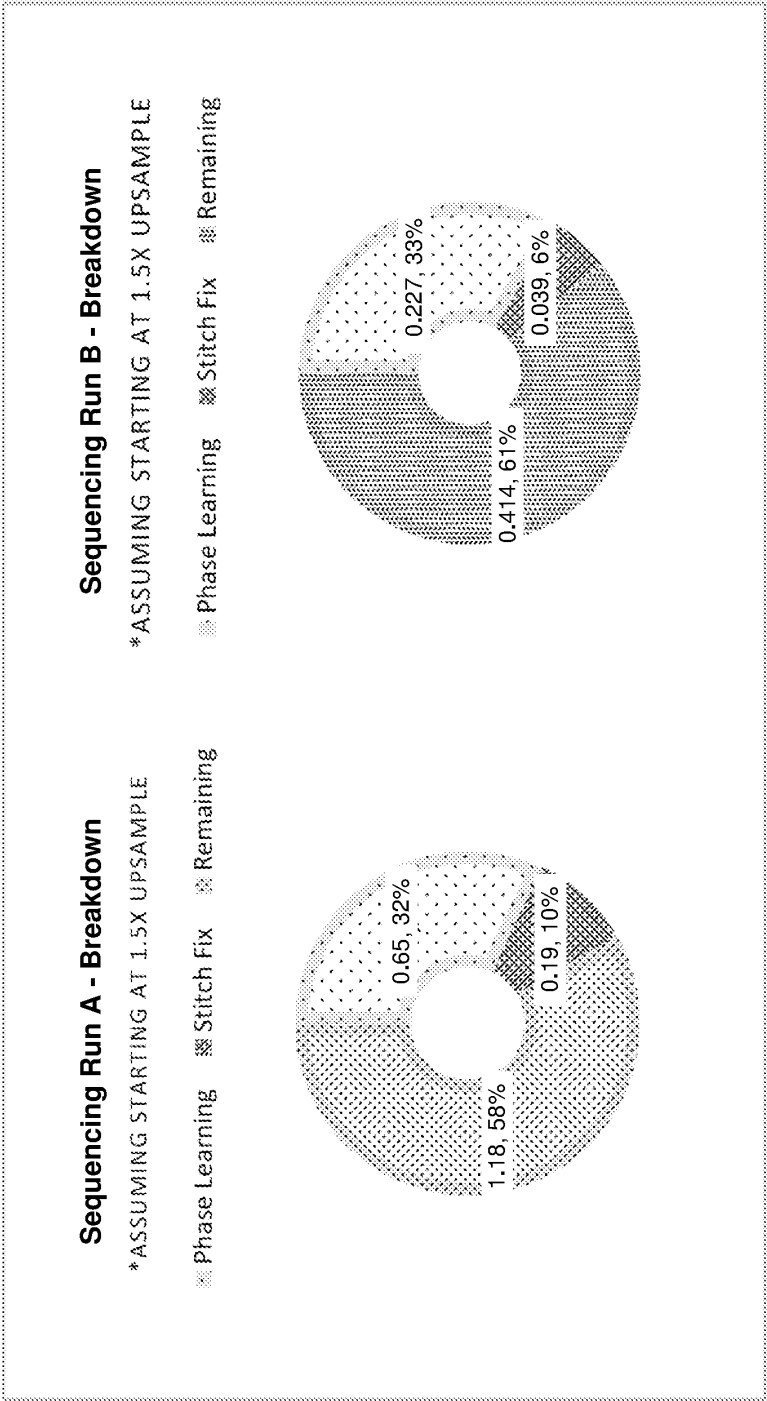


FIG. 26D