

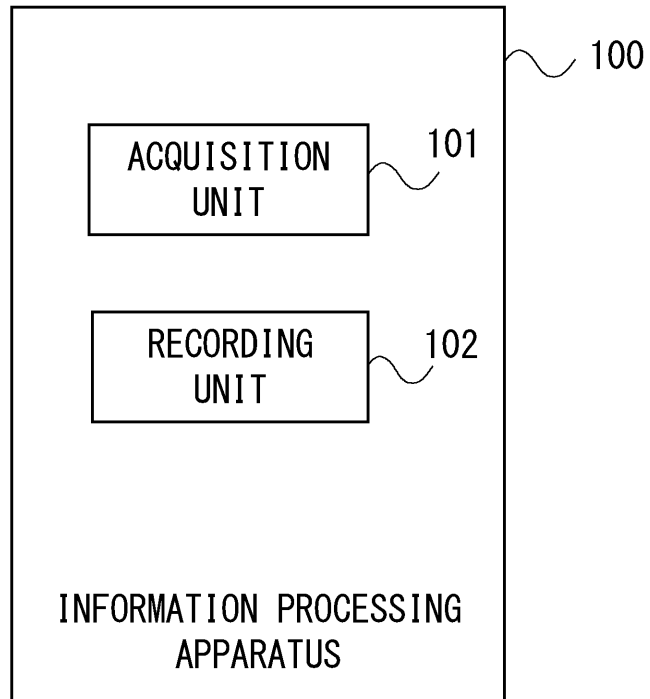


Fig. 1

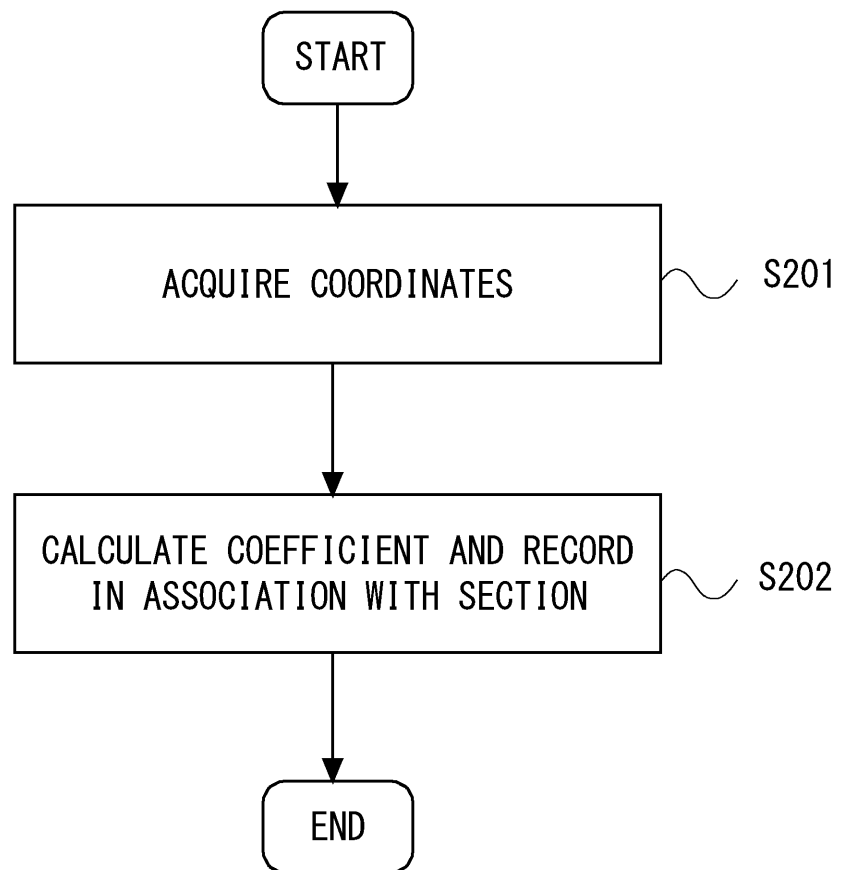
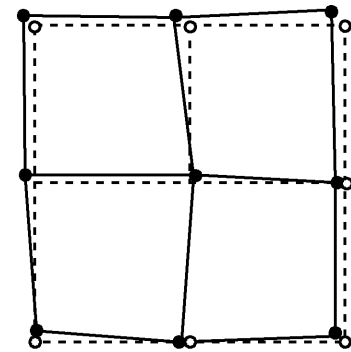


Fig. 2

FM														
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
1	16	31	.	.	.	.	.	.	.	.	.	.	.	211
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
2	17	32	.	.	.	.	.	.	.	.	.	.	.	212
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
3	18	33	.	.	.	.	.	.	.	.	.	.	.	213
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
4	19	34	.	.	.	.	.	.	.	.	.	.	.	214
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
5	20	35	.	.	.	.	.	.	.	.	.	.	.	215
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
6	21	36	.	.	.	.	.	.	.	.	.	.	.	216
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
7	22	37	.	.	.	.	.	.	.	.	.	.	.	217
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
8	23	.	.	.	.	.	.	.	.	.	.	.	.	218
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
9	24	.	.	.	.	.	.	.	.	.	.	.	.	219
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
10	25	.	.	.	.	.	.	.	.	.	.	.	.	220
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
11	26	.	.	.	.	.	.	.	.	.	.	.	.	221
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
12	27	.	.	.	.	.	.	.	.	.	.	.	.	222
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
13	28	.	.	.	.	.	.	.	.	.	.	.	.	223
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
14	MEASUREMENT DIRECTION													224
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
15	30	.	.	.	.	.	.	.	.	.	.	.	.	225



- LENGTH MEASUREMENT COORDINATES
- CALIBRATION REFERENCE COORDINATES

Fig. 3

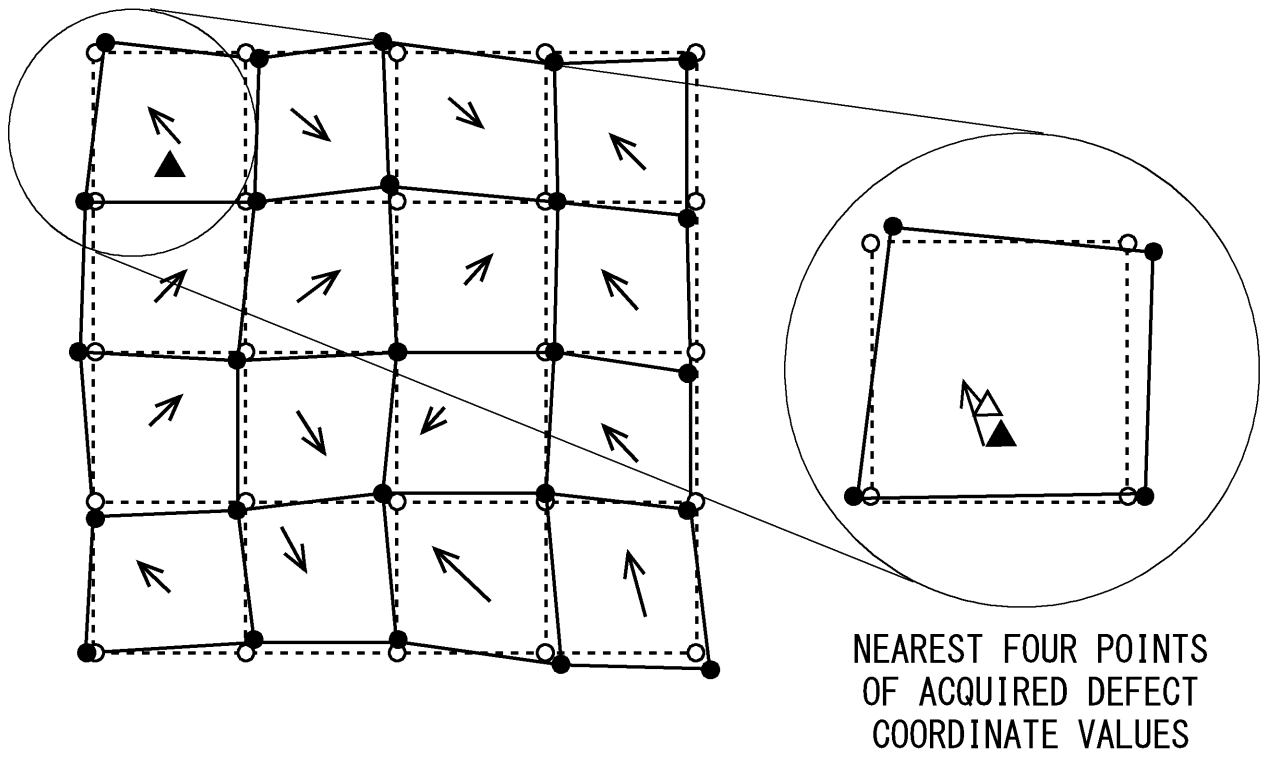


Fig. 4

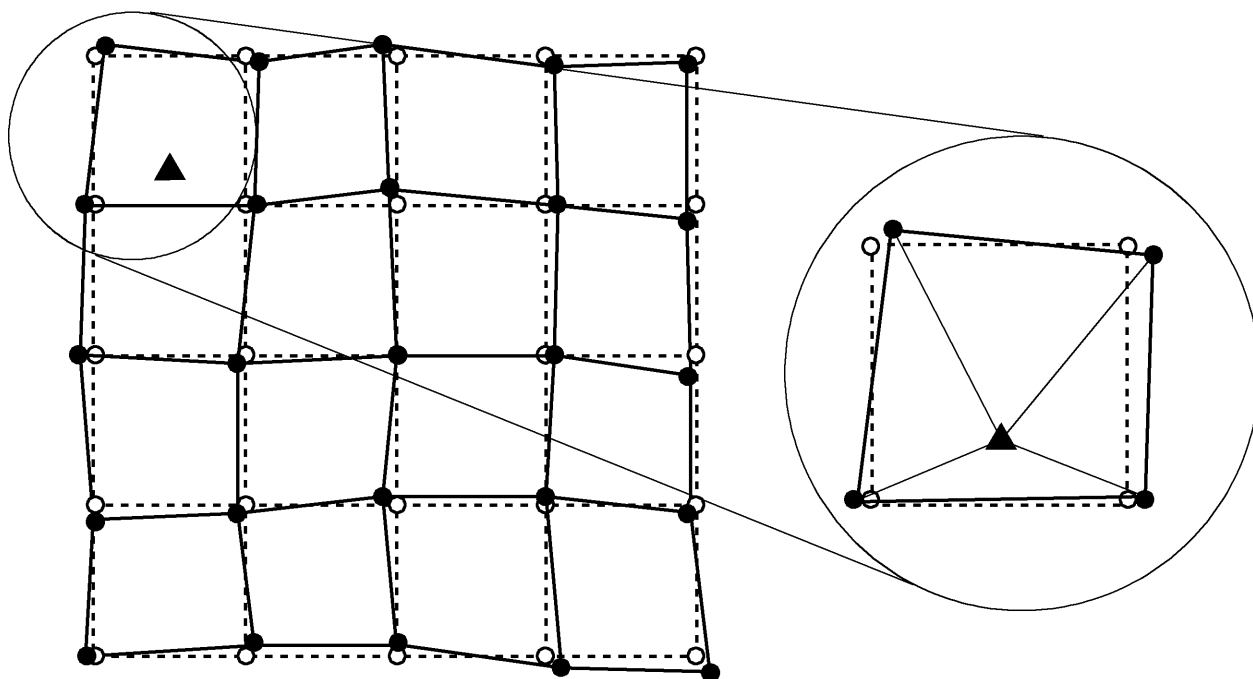
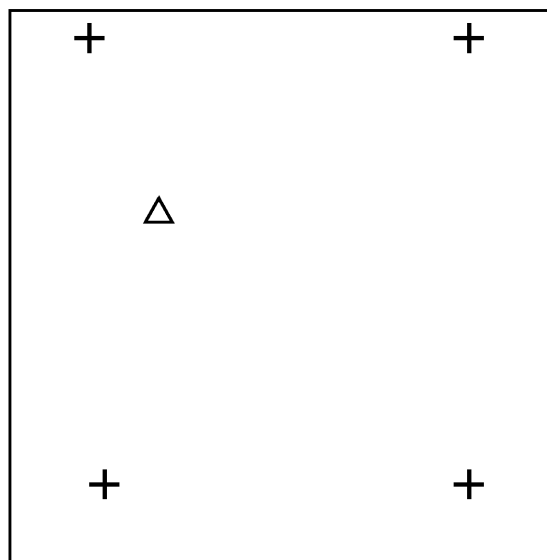
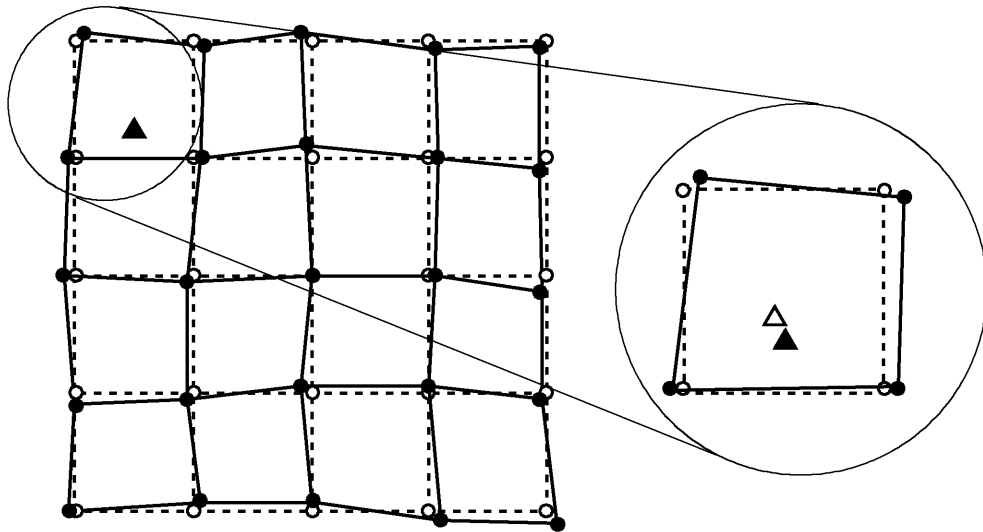
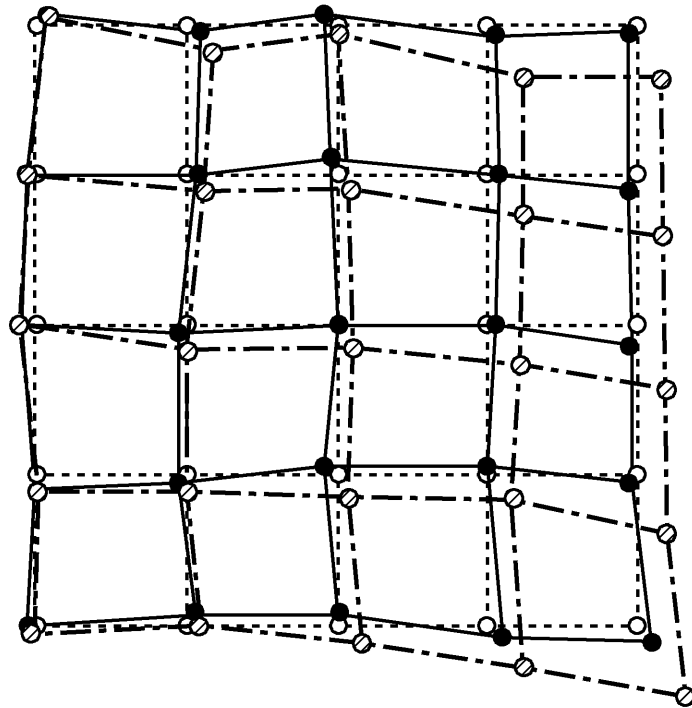


Fig. 5



FRGM CORRECTED COORDINATES

Fig. 6



MEASUREMENT IS IMAGING PER FIXED TIME

$$\Delta x, y(t) = at, bt$$

Fig. 7

- + DESIGN REFERENCE COORDINATES
- UNIDIRECTIONAL MEASUREMENT
- MEANDERING MEASUREMENT

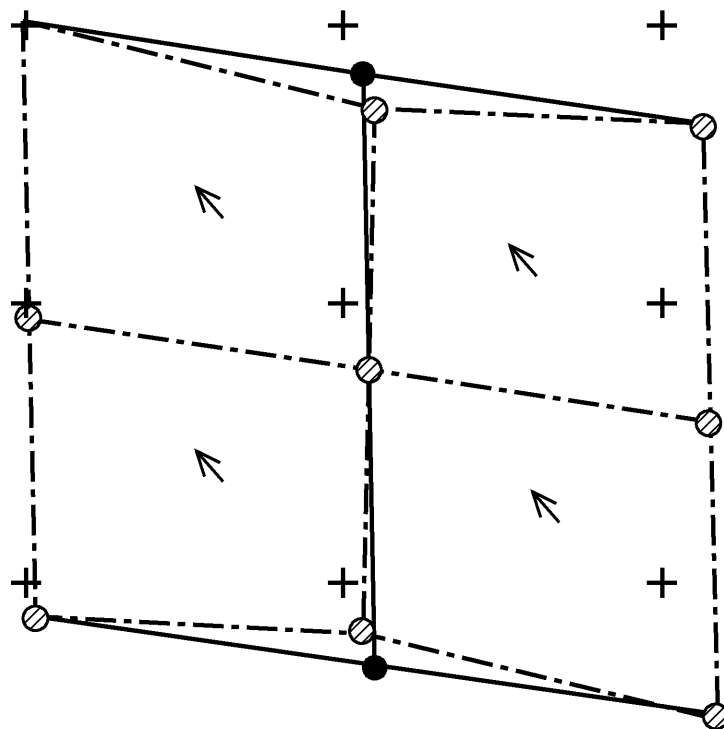


Fig. 8

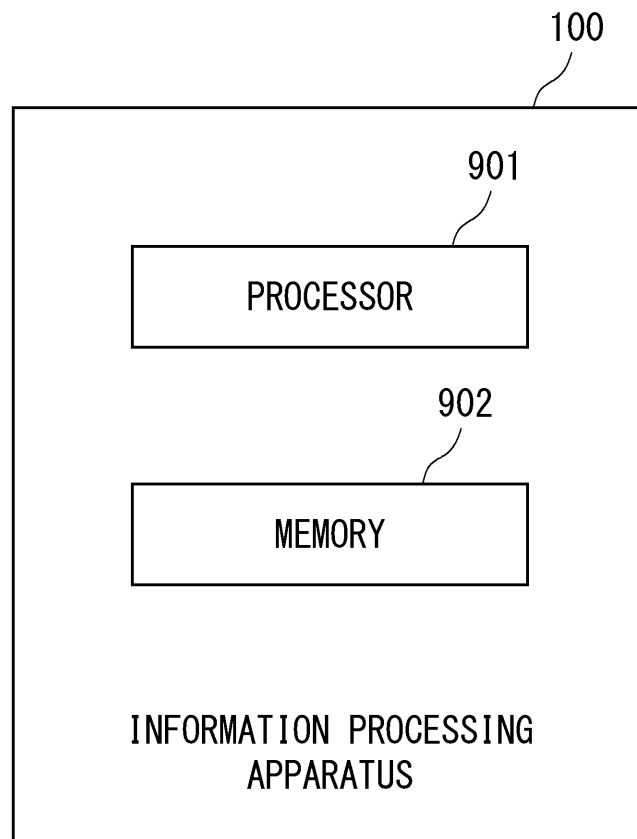


Fig. 9