Claims

1 A method to identify a position in a figure corresponding to a position in an image comprises:

a storing step to store, by a computer, a plurality of the first positions in the image captured by an imaging device and a plurality of the second positions corresponding to the plurality of the first positions in the figure corresponding to the image as a relationship,

an acquiring step to acquire, by a computer, the third position involving a target in the image,

a generation step to generate, by a computer, a fourth position in the figure corresponding to the third position, using a positional relationship between a part of the plurality of the first positions and the third position and a part or all of the relationship.

2 The method according to claim 1,
wherein a part of the plurality of the first positions is three first positions closest to the third position among the plurality of the first positions.

3 The method according to claim 2,
wherein the generation step to generate the fourth position includes a step to use a side of a triangle comprising from the three first positions.

4 The method according to claim 3,
wherein the generation step to generate the fourth position includes a step to use each perpendicular lines from the third position to sides or extension lines thereof involving the triangle.

5 The method according to claim 4,
wherein the generation step to generate the fourth position includes a step to use each intersections of the each perpendicular lines corresponding to each sides of the triangle or the extension lines thereof.

6 The method according to any one of claims 1 to 5, the method includes an obtaining step to obtain, by a computer, one of the second positions after obtaining one of the first positions.

7 The method according to claim 6, the method includes a step to display, by a display device displaying the figure, the first position after obtaining the one of the first positions and before obtaining the one of the second positions by a computer.

8 The method according to claim 7, the method includes a step to continue to display, by a display device displaying the figure, the first positions obtained by a computer until finishing the obtaining of the plurality of the first positions.

9 The method according to any one of claims 1 to 5, the method includes a step to obtain, by a computer, one of the first positions after obtaining one of the second positions.

10 The method according to claim 9, the method includes a step to display, by a display device displaying the figure, the second position after obtaining one of the second positions and before obtaining one of the first positions by a computer.

11 The method according to claim 10, the method includes a step to continue to display, by a display device displaying the figure, the second positions obtained by a computer until finishing the obtaining of the plurality of the second positions.

12 A system comprising of

a storing unit to store a plurality of the first positions in an image captured by an imaging device and a plurality of the second positions corresponding to the plurality of the first positions in a figure corresponding to the image as a relationship,

an acquiring unit to acquire the third position involving a target in the figure, and

a generation unit to generate a fourth position in the figure corresponding to the third position, using a positional relationship between a part of the plurality of the first positions and the third position and a part or all of the relationship.

13 The system according to claim 12,
wherein a part of the plurality of the first positions is three first positions closest to the third position among the plurality of the first positions.

14 The system according to claim 13,
wherein the generation unit to generate the fourth position uses a side of a triangle comprising from the three first positions.

15 The system according to claim 14,
wherein the generation unit to generate the fourth position uses each perpendicular lines from the third position to sides or the side’s extension lines thereof involving the triangle.

16 The system according to claim 15,
wherein the generation unit to generate the fourth position uses each intersections of the each perpendicular lines corresponding to each sides of the triangle or the extension lines thereof.

17 The system according to any one of claims 12 to 16, the system includes an obtaining unit to obtain the first positions and the second positions,
wherein the obtaining unit obtains one of the second positions after obtaining one of the first positions.

18 The system according to any one of claims 12 to 16, the system includes an obtaining unit to obtain the first positions and the second positions,
wherein the obtaining unit obtains one of the first positions after obtaining one of the second positions.

19 A program operating a computer by a method according to one of the claims 1 to 11.