Claims

What is claimed is:

1. A verification method comprising:

determining a plurality of objects, each object having a property;

displaying a representation of each object of the plurality of objects;

receiving from a user an input indicating a sequence of the plurality of objects;

determining a sequence of the properties of the plurality of objects; and

comparing the input with the sequence of the properties of the objects;

wherein displaying a representation of each object of the plurality of objects comprises changing an appearance of the representation of the object and displaying the representation of the object with the changed appearance; and

wherein changing the appearance comprises three-dimensionally rotating the representation of the object.

2. The verification method of claim 1,

wherein the property of each object of the plurality of objects comprises a quantifiable value.

3. The verification method of claim 2,

wherein determining the sequence of the properties of the plurality of objects comprises ordering the properties in ascending order according to the quantifiable values of the plurality of objects.

4. The verification method of claim 2,

wherein determining the sequence of the properties of the plurality of objects comprises ordering the properties in descending order according to the quantifiable values of the plurality of objects.

5. The verification method of claim 1,

wherein comparing the input with the sequence of the properties of the objects comprises determining whether the input indicates a sequence of the plurality of objects which matches with the determined sequence of the properties of the plurality of objects.

6. The verification method of claim 1,

wherein the representation of at least one object of the plurality of objects comprises at least one of a visualization of a model of the object, a visualization of a two-dimensional model of the object, a visualization of a three-dimensional model of the object, a drawing illustrating the object, a photo showing the object and a video showing the object.

7. The verification method of claim 1,

wherein the property of at least one object of the plurality of objects comprises a property which can be determined based on experience in real world without special training.

8. The verification method of claim 1,

wherein the property of each object of the plurality of objects comprises at least one of a size of the object, a speed of the object, an age of the object, a maximum travel distance of the object, a maximum flight height of the object, a temperature of the object, a geographical location of the object, a latitude of the object, a longitude of the object, an altitude of the object, a mass of the object, a price of the object, a power of the object, a computing power of the object, a brightness of the object, a popularity of the object, a wind resistance of the object and a flexibility of the object.

9. The verification method of claim 1,

wherein the object comprises a person, an animal, a microorganism, a virus, an article, a building, a place, a city, a vehicle, a motorized vehicle, a car, a truck, a computer and a mobile phone.

10. The verification method of claim 1,

wherein changing the appearance further comprises at least one of translating the representation of the object, scaling the representation of the object, changing an illumination of the representation of each object, changing a coloring of the

representation of the object and changing a background of the representation of the object.

11. The verification method of claim 10,

wherein changing the background of the representation of the object comprises cluttering the background.

12. The verification method of claim 1,

wherein the verification method comprises a CAPTCHA.

13. A verification device comprising:

an object determination circuit configured to determine a plurality of objects, each object having a property;

a display circuit configured to display a representation of each object of the plurality of objects;

an input circuit configured to receive from a user an input indicating a sequence of the plurality of objects;

a property sequence determination circuit configured to determine a sequence of the properties of the plurality of objects; and

a comparing circuit configured to compare the input with the sequence of the properties of the objects;

wherein the display circuit is configured to change an appearance of the representation of the object and to display the representation of the object with the changed appearance; and

wherein the display circuit is configured to change the appearance by three-dimensionally rotating the representation of the object.

14. The verification device of claim 13,

wherein the representation of at least one object of the plurality of objects comprises at least one of a visualization of a model of the object, a visualization of a two-dimensional model of the object, a visualization of a three-dimensional model of the object, a drawing illustrating the object, a photo showing the object and a video showing the object.

15. The verification device of claim 13,

wherein the property of each object of the plurality of objects comprises at least one of a size of the object, a speed of the object, an age of the object, a maximum travel distance of the object, a maximum flight height of the object, a temperature of the object, a geographical location of the object, a latitude of the object, a longitude of the object, an altitude of the object, a mass of the object, a price of the object, a power of the object, a computing power of the object, a brightness of the object, a popularity of the object, a wind resistance of the object and a flexibility of the object.

16. The verification device of claim 13,

wherein the object comprises at least one of a person, an animal, a microorganism, a virus, an article, a building, a place, a city, a vehicle, a motorized vehicle, a car, a truck, a computer and a mobile phone.

17. The verification device of claim 13,

wherein the display circuit is further configured to change the appearance by at least one of translating the representation of the object, scaling the representation of the object, changing an illumination of the representation of the object, changing a coloring of the representation of the object and changing a background of the representation of the object.

18. The verification device of claim 17,

wherein changing the background of the representation of the object comprises cluttering the background.

19. The verification device of claim 13,

wherein the verification method comprises a CAPTCHA device.

20. A non-transient computer readable medium including program instructions which when executed by a processor cause the processor to perform a verification method comprising:

determining a plurality of objects, each object having a property;

displaying a representation of each object of the plurality of objects;

receiving from a user an input indicating a sequence of the plurality of objects;

determining a sequence of the properties of the plurality of objects; and

comparing the input with the sequence of the properties of the objects;

wherein displaying a representation of each object of the plurality of objects comprises changing an appearance of the representation of the object and displaying the representation of the object with the changed appearance; and

wherein changing the appearance comprises three-dimensionally rotating the representation of the object.

21. The verification method of claim 1, wherein three-dimensionally rotating the representation of the object comprises three-dimensionally rotating the representation of the object by 20 to 340 degrees.

22. The verification device of claim 13, wherein three-dimensionally rotating the representation of the object comprises three-dimensionally rotating the representation of the object by 20 to 340 degrees.

23. The verification method of claim 1, wherein changing the appearance further comprises two or more of translating the representation of the object, scaling the representation of the object, changing an illumination of the representation of the object, changing a coloring of the representation of the object and changing a background of the representation of the object.

24. The verification device of claim 13, wherein the display circuit is further configured to change the appearance by two or more of translating the representation of the object, scaling the representation of the object, changing an illumination of the representation of the object, changing a coloring of the representation of the object and changing a background of the representation of the object.