CLAIMS

1. A monitoring method, wherein the method comprises:

obtaining first information, wherein the first information comprises one or more first indices corresponding to one or more pieces of ground truth information, or, the first information comprises time domain resource positions of one or more reference signals that are used for measuring ground truth information; and

obtaining the one or more pieces of ground truth information based on the first information, wherein

the one or more pieces of ground truth information are used for obtaining a monitoring result of performance of a prediction for obtaining predicted information.

2. The method according to claim 1, wherein a time domain resource position of at least one piece of ground truth information in the one or more pieces of ground truth information is different from a time domain resource position of the predicted information.

3. The method according to claim 1 or 2, wherein the method further comprises:

sending the one or more pieces of ground truth information.

4. The method according to claim 1 or 2, wherein the method further comprises:

obtaining one or more pieces of predicted information; and

sending the one or more pieces of predicted information.

5. The method according to claim 1 or 2, wherein the method further comprises:

obtaining one or more pieces of predicted information; and

obtaining one or more monitoring results of the performance of the prediction based on the one or more pieces of ground truth information and the one or more pieces of predicted information.

6. The method according to claim 4 or 5, wherein the obtaining the one or more pieces of predicted information comprises:

receiving second information, wherein the second information comprises one or more second indices corresponding to the one or more pieces of predicted information, or the second information comprises a relative time unit value, relative to a time unit corresponding to a reference resource, of each of the one or more pieces of predicted information; and

obtaining the one or more pieces of predicted information based on the second information.

7. The method according to claim 6, wherein the one or more first indices and the one or more second indices are based on the time unit corresponding to the reference resource.

8. The method according to claim 7, wherein the time unit corresponding to the reference resource is any one of the following:

a first time unit in which a resource for reporting a monitoring result report is located;

a second time unit in which downlink control signaling for scheduling monitoring is located;

a third time unit determined based on the first time unit or the second time unit; or

a predefined/preconfigured fourth time unit.

9. The method according to claim 5, wherein the method further comprises:

sending a monitoring result report, wherein

the monitoring result report comprises the one or more monitoring results;

the monitoring result report comprises at least one monitoring result that is greater than or equal to a first threshold in the one or more monitoring results;

the monitoring result report comprises at least one monitoring result that is less than or equal to a second threshold in the one or more monitoring results;

the monitoring result report comprises an index of predicted information and an index of ground truth information that correspond to an optimal monitoring result in the one or more monitoring results;

the monitoring result report comprises an index of predicted information and an index of ground truth information that correspond to a worst monitoring result in the one or more monitoring results; or

the monitoring result report comprises an absolute value of a first monitoring result in a plurality of monitoring results, and a relative value, relative to the first monitoring result, of a monitoring result other than the first monitoring result in the plurality of monitoring results.

10. The method according to claim 9, wherein the first monitoring result is determined based on an order of the ground truth information used and/or an order of the predicted information used during obtaining of the plurality of monitoring results.

11. The method according to claim 9 or 10, wherein the monitoring result report comprises a part of all monitoring results.

12. The method according to any one of claims 9 to 11, wherein the monitoring result report and information feedback that is used for sending a measurement result of a reference signal are reported in a same information report, or the monitoring result report and the information feedback that is used for sending the measurement result of the reference signal are reported in different information reports.

13. A monitoring method, wherein the method comprises:

sending first information, wherein the first information comprises one or more first indices corresponding to one or more pieces of ground truth information, or, the first information comprises time domain resource positions of one or more reference signals that are used for measuring ground truth information; and

receiving the one or more pieces of ground truth information based on the first information,

wherein

the one or more pieces of ground truth information are used for obtaining a monitoring result of performance of a prediction for obtaining predicted information.

14. The method according to claim 13, wherein

a time domain resource position of at least one piece of ground truth information in the one or more pieces of ground truth information is different from a time domain resource position of the predicted information.

15. The method according to claim 13 or 14, wherein the method further comprises:

obtaining one or more pieces of predicted information; and

obtaining one or more monitoring results of the performance of the prediction based on the one or more pieces of ground truth information and the one or more pieces of predicted information.

16. The method according to claim 13 or 14, wherein the method further comprises:

receiving a monitoring result report, wherein the monitoring result report comprises one or more monitoring results, and the one or more monitoring results are obtained based on the one or more pieces of ground truth information and one or more pieces of predicted information.

17. The method according to claim 15, wherein the method comprises:

sending second information, wherein the second information comprises one or more second indices corresponding to the one or more pieces of predicted information, or the second information comprises a relative time unit value, relative to a time unit corresponding to a reference resource, of each of the one or more pieces of predicted information; and

receiving the one or more pieces of predicted information.

18. The method according to claim 17, wherein the one or more first indices and the one or more second indices are based on the time unit corresponding to the reference resource.

19. The method according to claim 18, wherein the time unit corresponding to the reference resource is any one of the following:

a first time unit in which a resource for reporting a monitoring result report is located;

a second time unit in which downlink control signaling for scheduling the monitoring is located;

a third time unit determined based on the first time unit or the second time unit; or

a predefined/preconfigured fourth time unit.

20. The method according to claim 16, wherein

the monitoring result report comprises the one or more monitoring results;

the monitoring result report comprises at least one monitoring result that is greater than or equal to a first threshold in the one or more monitoring results;

the monitoring result report comprises at least one monitoring result that is less than or equal

to a second threshold in the one or more monitoring results;

the monitoring result report comprises an index of predicted information and an index of ground truth information that correspond to an optimal monitoring result in the one or more monitoring results;

the monitoring result report comprises an index of predicted information and an index of ground truth information that correspond to a worst monitoring result in the one or more monitoring results; or

the monitoring result report comprises an absolute value of a first monitoring result in a plurality of monitoring results, and a relative value, relative to the first monitoring result, of a monitoring result other than the first monitoring result in the plurality of monitoring results.

21. The method according to claim 20, wherein the first monitoring result is determined based on an order of the ground truth information used and/or an order of the predicted information used during obtaining of the plurality of monitoring results.

22. The method according to claim 20 or 21, wherein the monitoring result report comprises a part of all monitoring results.

23. The method according to any one of claims 20 to 22, wherein the monitoring result report and information feedback that is used for sending a measurement result of a reference signal are reported in a same information report, or the monitoring result report and the information feedback that is used for sending the measurement result of the reference signal are reported in different information reports.

24. The method according to any one of claims 1 to 23, wherein the predicted information is predicted channel state information CSI, and the ground truth information is ground truth CSI; or the predicted information is predicted beam information, and the ground truth information is ground truth beam information.

25. A monitoring apparatus, comprising a module configured to perform the method according to any one of claims 1 to 24.

26. A monitoring apparatus, comprising a processor coupled to a memory, wherein the processor is configured to implement a corresponding function in the method performed by the apparatus according to any one of claims 1 to 24.

27. A computer-readable storage medium, wherein the computer-readable storage medium stores a computer program or instructions; and when the computer program or the instructions are executed, the method according to any one of claims 1 to 24 is implemented.

28. A computer program product comprising instructions, wherein when the instructions are run on a monitoring apparatus, the monitoring apparatus is caused to perform the method according to any one of claims 1 to 24.