What is claimed is:

1. A transmission method for physical uplink control channel (PUCCH), comprising:

if a terminal determines or would transmit at least two PUCCHs which are overlapped, the at least two PUCCHs comprising a first PUCCH and a second PUCCH, the first PUCCH having a first priority index and carrying or corresponding to a first uplink control information (UCI), the second PUCCH having a second priority index and carrying or corresponding to a second UCI,

transmitting, by the terminal, the first UCI and the second UCI in a third PUCCH, wherein different code rates are used for the first UCI and the second UCI,

wherein the transmitting, by the terminal, the first UCI and the second UCI in the third PUCCH comprises:

determining the third PUCCH according to a third downlink control information (DCI), wherein the third DCI is used for indicating transmission of the third PUCCH.

2. The transmission method according to claim 1, wherein the third PUCCH is one of at least one PUCCH resource configured by a third PUCCH configuration, and the PUCCH resource is configured by PUCCH resource configuration information, wherein,

the third PUCCH configuration is a PUCCH configuration corresponding to the priority index of the first PUCCH or the first UCI; or,

the third PUCCH configuration is a PUCCH configuration corresponding to the priority index of the second PUCCH or the second UCI; or,

the third PUCCH configuration is a PUCCH configuration configured for transmission of the first UCI and the second UCI.

3. The transmission method according to claim 1 or 2, wherein,

PUCCH resource configuration information corresponding to the third PUCCH configures one maximum code rate;

PUCCH resource configuration information corresponding to the first PUCCH configures at most one maximum code rate;

PUCCH resource configuration information corresponding to the second PUCCH configures at most one maximum code rate.

4. The transmission method according to claim 1 or 3, further comprising:

determining that the code rate for the first UCI is a maximum code rate configured by PUCCH resource configuration information corresponding to the third PUCCH, and determining that the code rate for the second UCI is a maximum code rate configured by PUCCH resource configuration information corresponding to the second PUCCH;

or,

determining that the code rate for the first UCI is a maximum code rate configured by PUCCH resource configuration information corresponding to the first PUCCH, and determining that the code rate for the second UCI is a maximum code rate configured by PUCCH resource configuration information corresponding to the third PUCCH.

5. The transmission method according to claim 1 or 3, further comprising:

determining that the code rate for the first UCI is a maximum code rate configured by PUCCH resource configuration information corresponding to the third PUCCH, and determining the code rate for the second UCI according to the code rate for the first UCI;

or,

determining that the code rate for the second UCI is a maximum code rate configured by PUCCH resource configuration information corresponding to the third PUCCH, and determining the code rate for the first UCI according to the code rate for the second UCI.

6. The transmission method according to claim 1 or 3, further comprising:

determining that the code rate for the first UCI is a maximum code rate configured by PUCCH resource configuration information corresponding to the third PUCCH, and if PUCCH resource configuration information corresponding to the second PUCCH configures a maximum code rate, determining that the code rate for the second UCI is the maximum code rate configured by the PUCCH resource configuration information corresponding to the second PUCCH, and if the PUCCH resource configuration information corresponding to the second PUCCH does not configure the maximum code rate, determining the code rate for the second UCI according to the code rate for the first UCI;

or,

determining that the code rate for the second UCI is a maximum code rate configured by PUCCH resource configuration information corresponding to the third PUCCH, and if PUCCH resource configuration information corresponding to the first PUCCH configures a maximum code rate, determining that the code rate for the first UCI is the maximum code rate configured by the PUCCH resource configuration information corresponding to the first PUCCH, and if the PUCCH resource configuration information corresponding to the first PUCCH does not configure the maximum code rate, determining the code rate for the first UCI according to the code rate for the second UCI.

7. The transmission method according to claim 5 or 6, wherein the determining the code rate for the second UCI according to the code rate for the first UCI or the determining the code rate for the first UCI according to the code rate for the second UCI comprises:

determining that the code rate for the second UCI is the code rate for the first UCI plus a first adjustment factor, or the code rate for the first UCI minus the first adjustment factor, or the code rate for the first UCI multiplied by the first adjustment factor, or the code rate for the first UCI divided by the first adjustment factor;

or,

determining that the code rate for the first UCI is the code rate for the second UCI plus a second adjustment factor, or the code rate for the second UCI minus the second adjustment factor, or the code rate for the second UCI multiplied by the second adjustment factor, or the code rate for the second UCI divided by the second adjustment factor.

8. The transmission method according to claim 7, wherein,

the first adjustment factor and/or the second adjustment factor is determined in one of following manners:

the first adjustment factor and/or the second adjustment factor is configured by a network through higher-layer signaling or is defined by a protocol;

or,

the first adjustment factor and/or the second adjustment factor is determined from a set of numerical values according to a preset DCI, wherein the set of numerical values is configured by a network through higher-layer signaling or is defined by a protocol.

9. The transmission method according to claim 1 or 2, wherein,

PUCCH resource configuration information corresponding to the third PUCCH configures a first maximum code rate and/or a second maximum code rate.

10. The transmission method according to claim 9, wherein, if the resource configuration information corresponding to the third PUCCH configures the first maximum code rate and the second maximum code rate, the method further comprises:

determining that the code rate for the first UCI is the first maximum code rate and the code rate for the second UCI is the second maximum code rate.

11. The transmission method according to any one of claims 4 to 10, further comprising:

encoding the first UCI and the second UCI according to the code rate for the first UCI and the code rate for the second UCI, respectively, when transmitting the first UCI and the second UCI in the third PUCCH.

12. A transmission method for PUCCH, comprising:

if a terminal determines or would transmit at least two PUCCHs which are overlapped, receiving, by a base station, a first UCI and a second UCI transmitted by the terminal in a third PUCCH, the at least two PUCCHs comprising a first PUCCH and a second PUCCH, the first PUCCH having a first priority index and carrying or corresponding to the first UCI, the second PUCCH having a second priority index and carrying or corresponding to the second UCI, wherein different code rates are used for the first UCI and the second UCI;

wherein the receiving the first UCI and the second UCI transmitted by the terminal in the third PUCCH comprises:

determining the third PUCCH according to a third DCI, wherein the third DCI is used for indicating transmission of the third PUCCH.

13. The transmission method according to claim 12, wherein the third PUCCH is one of at least one PUCCH resource configured by a third PUCCH configuration, and the PUCCH resource is configured by PUCCH resource configuration information, wherein,

the third PUCCH configuration is a PUCCH configuration corresponding to the priority index of the first PUCCH or the first UCI; or,

the third PUCCH configuration is a PUCCH configuration corresponding to the priority index of the second PUCCH or the second UCI; or,

the third PUCCH configuration is a PUCCH configuration configured for transmission of the first UCI and the second UCI.

14. The transmission method according to claim 12 or 13, wherein,

PUCCH resource configuration information corresponding to the third PUCCH configures one maximum code rate;

PUCCH resource configuration information corresponding to the first PUCCH configures at most one maximum code rate;

PUCCH resource configuration information corresponding to the second PUCCH configures at most one maximum code rate.

15. The transmission method according to claim 14, further comprising:

determining that the code rate for the first UCI is the maximum code rate configured by the PUCCH resource configuration information corresponding to the third PUCCH, and determining that the code rate for the second UCI is the maximum code rate configured by the PUCCH resource configuration information corresponding to the second PUCCH;

or,

determining that the code rate for the first UCI is the maximum code rate configured by the PUCCH resource configuration information corresponding to the first PUCCH, and determining that the code rate for the second UCI is the maximum code rate configured by the PUCCH resource configuration information corresponding to the third PUCCH.

16. The transmission method according to claim 14, further comprising:

determining that the code rate for the first UCI is the maximum code rate configured by the PUCCH resource configuration information corresponding to the third PUCCH, and determining the code rate for the second UCI according to the code rate for the first UCI;

or,

determining that the code rate for the second UCI is the maximum code rate configured by the PUCCH resource configuration information corresponding to the third PUCCH, and determining the code rate for the first UCI according to the code rate for the second UCI.

17. A terminal, comprising a processor, a memory and a program stored in the memory and executable by the processor, wherein the processor is configured to execute the program, to implement the steps of the transmission method for the PUCCH according to any one of claims 1 to 11.

18. A base station, comprising a processor, a memory and a program stored in the memory and executable by the processor, wherein the processor is configured to execute the program, to implement the steps of the transmission method for the PUCCH according to any one of claims 12 to 16.