

CLAIMS

1. An information processing method, comprising:

in a case that a physical uplink control channel (PUCCH) transmission format based on an interlace structure is scheduled for a terminal device, determining, based on a characteristic parameter of uplink control information (UCI) to be fed back, a transmission parameter for transmitting a PUCCH;

wherein the characteristic parameter comprises a bit quantity and a code rate of the UCI;

wherein the transmission parameter comprises the number of interlaces for transmitting the PUCCH;

wherein the determining, based on a characteristic parameter of uplink control information (UCI) to be fed back, a transmission parameter for transmitting a PUCCH comprises:

determining, based on the characteristic parameter of the UCI, a transmission parameter corresponding to a preset condition for transmitting the PUCCH, wherein

the preset condition is: a code rate of uplink information to be transmitted on the PUCCH is lower than or equal to a configured code rate; and

the uplink information comprises the UCI and a cyclic redundancy check (CRC).

2. The method according to claim 1, wherein the transmission parameter further comprises at least one of the following:

the number of orthogonal frequency division multiplexing (OFDM) symbols for transmitting the PUCCH;

a spreading factor for transmitting the PUCCH; and

an orthogonal sequence for transmitting the PUCCH.

3. The method according to claim 1, wherein the determining a transmission parameter corresponding to a preset condition for transmitting the PUCCH comprises:

determining the minimum number of interlaces corresponding to the preset condition; or

determining the minimum number of OFDM symbols corresponding to the preset condition.

4. The method according to claim 1, wherein the determining a transmission parameter corresponding to a preset condition for transmitting the PUCCH comprises:

obtaining a spreading factor set configured by a network-side device;

determining, from the spreading factor set, a largest spreading factor corresponding to the preset condition; and

using the largest spreading factor as the spreading factor for transmitting the PUCCH.

5. The method according to claim 4, wherein determining the orthogonal sequence for transmitting the PUCCH comprises:

using an orthogonal sequence corresponding to the largest spreading factor as the orthogonal sequence for transmitting the PUCCH.

6. A communications device, wherein the communications device is a terminal device or a network-side device and comprises:

a first determining module, configured to: in a case that a physical uplink control channel PUCCH transmission format based on an interlace structure is scheduled for the terminal device, determine, based on a characteristic parameter of UCI to be fed back, a transmission parameter for transmitting a PUCCH;

wherein the characteristic parameter comprises a bit quantity and a code rate of the UCI;

wherein the transmission parameter comprises the number of interlaces for transmitting the PUCCH;

wherein the first determining module is configured to:

determine, based on the characteristic parameter of the UCI, a transmission parameter corresponding to a preset condition for transmitting the PUCCH, wherein

the preset condition is: a code rate of uplink information to be transmitted on the PUCCH is lower than or equal to a configured code rate; and

the uplink information comprises the UCI and a cyclic redundancy check (CRC).

7. The communications device according to claim 6, wherein the transmission parameter further comprises at least one of the following:

the number of orthogonal frequency division multiplexing, OFDM, symbols for transmitting the PUCCH;

a spreading factor for transmitting the PUCCH; and

an orthogonal sequence for transmitting the PUCCH.

8. The communications device according to claim 6, wherein the first determining module is configured to:

determine the minimum number of interlaces corresponding to the preset condition; or

determine the minimum number of OFDM symbols corresponding to the preset condition.

9. The communications device according to claim 6, wherein the first determining module is configured to:

obtain a spreading factor set configured by a network-side device;

determine, from the spreading factor set, a largest spreading factor corresponding to the preset condition; and

use the largest spreading factor as the spreading factor for transmitting the PUCCH.

10. A communications device, comprising a memory, a processor, and a computer program stored in the memory and capable of running on the processor, wherein when the processor executes the computer program, the steps of the information processing method according to any one of claims 1 to 5 are implemented.

11. A computer-readable storage medium, wherein the computer-readable storage medium stores a computer program, and when the computer program is executed by a processor, steps of the information processing method according to any one of claims 1 to 5 are implemented.