SIGNAL PROCESSING METHOD AND APPARATUS

ABSTRACT

This application discloses a signal processing method and an apparatus. The method includes: A transmit device generates a PPDU, where the PPDU includes a preamble, the preamble includes an LTF, the LTF includes a plurality of LTF symbols, and the plurality of LTF symbols may be used to carry a sequence obtained according to a first matrix; and then sends the PPDU. Correspondingly, a receive device receives the PPDU, and then processes, according to the first matrix, signals received on the plurality of LTF symbols. The first matrix is a $P_{n\times n}$ matrix, or the first matrix is obtained according to a $P_{n\times n}$ matrix, where $P_{n\times n} \times P_{n\times n}^{T} = n \times I$, I is an identity matrix, the $P_{n\times n}$ matrix includes n rows and n columns, the $P_{n\times n}^{T}$ matrix is a transpose matrix of the $P_{n\times n}$ matrix, and n is an integer greater than 8. According to the method provided in this application, channel estimation of more than eight spatial streams can be implemented.

Fig. 4a