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(57) Abstract :

Provided are a reception device a reception method and a computer program that are capable of high precision channel estimation using little memory volume. Parameters indicating channel characteristics are estimated from channel estimation values for received signal reference signals; a prescribed coefficient matrix is selected in accordance with the estimated parameters from among coefficient matrices stored beforehand said matrix being a coefficient matrix in accordance with a reference signal pattern expanded in the frequency direction; and LMMSE channel estimation is performed using a coefficient included in a range that is a coefficient range arranged in the selected coefficient matrix and corresponds to the received signal reference signal arrangement.

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