Course Name: Modern Error-Correction Coding Technology
現代錯誤更正編碼技術

Course Objects:

This course covers the most important developments in recent years in the area of error-correcting codes. This course complements the contents of the course "Error-Correction Coding".

Course Syllabus:

- Coding and capacity

- Low-Density Parity-Check (LDPC) Codes

- Convolutional codes and BCJR algorithm

- Turbo codes

- Ensemble decoding thresholds

- Polar codes