

Quasi-Orthogonal Space-Time Block Code

Yuen, Chau, Yong Liang Guan, and Tjeng Thiang Tjhung. *Quasi-Orthogonal Space-Time Block Code*. London, United Kingdom: Imperial College Press, 2007, 194 pp. \$89.00 (Hardbound).

Quasi-Orthogonal Space-Time Block Code presents an up-to-date, comprehensive and in-depth discussion of an important emerging class of space-time codes, called the Quasi-Orthogonal STBC (QO-STBC). Used in Multiple-Input Multiple-Output (MIMO) communication systems, they provide transmit diversity with higher code rates than the well-known orthogonal STBC (O-STBC), yet at lower decoding complexity than non-orthogonal STBC. This book will help readers gain a broad understanding of the fundamental principles as well as the state-of-the-art work in QO-STBC, thus enabling them to appreciate the roles of QO-STBC in future broadband wireless systems and to inspire further research.

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