

# **Combining Schemes In Rake Receiver For Low Spreading Factor Long-Code W-CDMA Systems**

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## **Summary**

The authors present a signal model for interpath interference (IPI) in low spreading factor long-code DS/CDMA systems. The impact of IPI can be decomposed into branch correlation and cochannel interference similar to those in a diversity system. Following this interpretation, optimum and suboptimum combining schemes for a rake receiver are developed, which provide significant improvement over the conventional maximum-ratio combining.

## **References:**

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