

## Differential Geometric Structures of Stable State Feedback Systems with Dual Connections

Atsumi Ohara; Shun-Ichi Amari

*Abstract:* This paper gives new approach to investigate differential geometric structures of stable and stable state feedback systems. For this purpose pairs of dual connections are introduced. Some of these connections are found to characterize the geometric structures of stable state feedback systems well.

*Keywords:*

*AMS Subject Classification:*