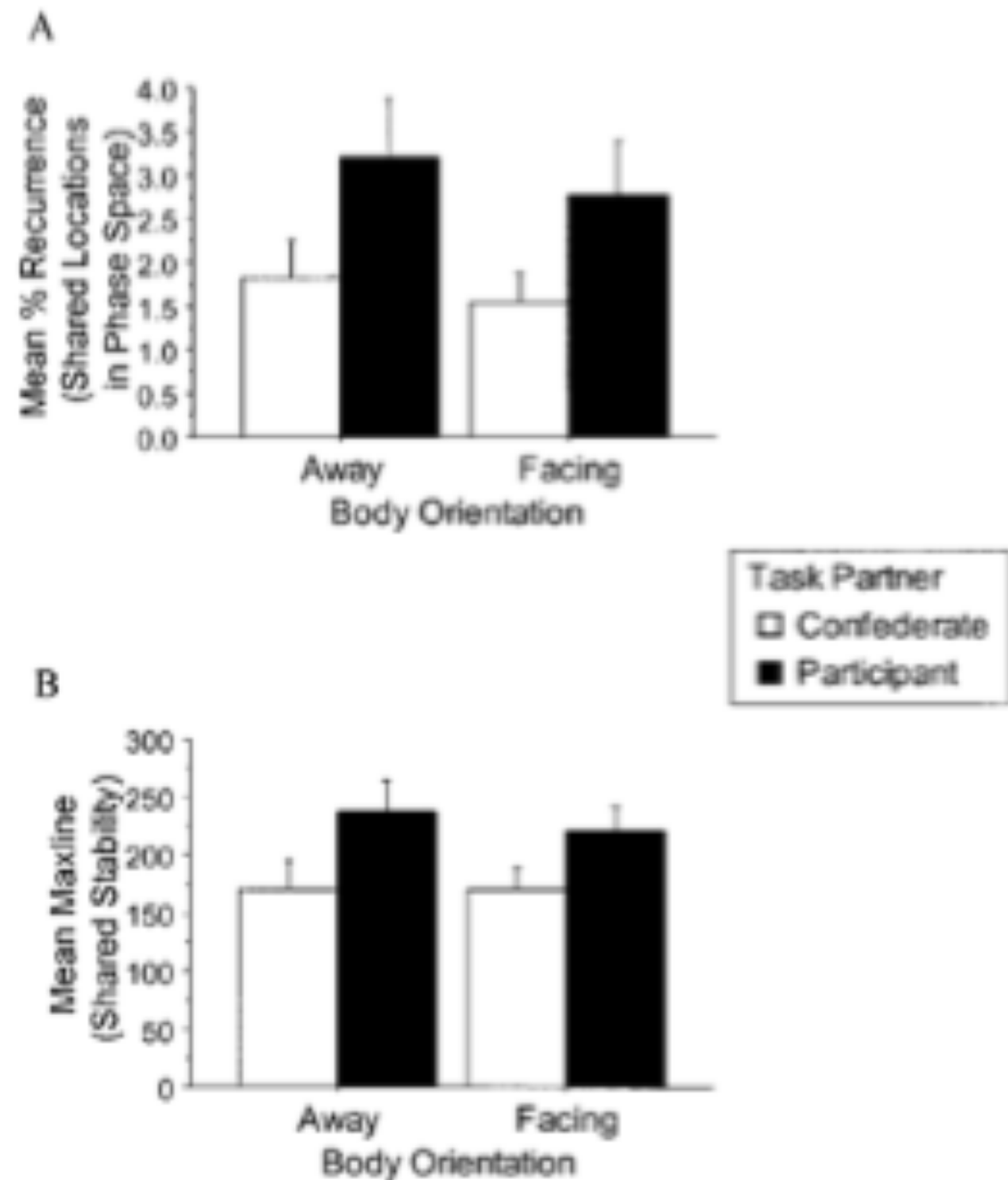


Coupling of postural sway through communication

Speech can be a “coupling tool” for coordination of previously autonomous bodies

Shockley, K., Santana, M-V., Fowler, C. (2003). Mutual Interpersonal Postural Constraints Are Involved in Cooperative Conversation. *Journal of Experimental Psychology: Human Perception and Performance*, 29, 326-323.



Coupling of language development between infant and caretaker

Dale, R., & Spivey, M.J. (2006). Unraveling the dyad: Using recurrence analysis to explore patterns of syntactic coordination between children and caregivers in conversation. *Language Learning*, 56(3), 391–430

Rick Dale has introduced some interesting applications of Recurrence Analysis:

- CRQA on categorical/nominal data
- “LOS”-profile, as a measure of who’s leading and who’s trailing