

- [Home](#)
- [About the CVR](#)
- [News](#)
- [Members](#)
- [Seminar Series](#)
- [Conference](#)
- [Resources](#)
- [CVR Summer School](#)
- [Research Labs](#)
- [Training at the CVR](#)
- [Partnering with the CVR](#)
- [Contact Us](#)

- Friday, December 12, 2003  
Virtually no evidence for virtually perfect time-sharing

Classically, human information processing has been thought to be dominated by a central capacity limitation that is revealed when people are required to perform two tasks simultaneously. However, recent research claims to demonstrate virtually perfect-time sharing in dual-task situations when a set of five conditions, as outlined by Meyer and Kieras (1999), are met. An examination of this claim reveals confounding effects that may have obscured dual-task interference. Two experiments are conducted in which these confounding effects are minimized, revealing statistically significant dual-task interference. These results support the hypothesis that human information processing is dominated by a structural central capacity limitation and call into question the hypothesis that dual-task interference can be

eliminated by meeting the conditions outlined by Meyer and Kieras (1999).

Michael Tombu  
Tsotsos lab , York University