

Publication List – Cord Hockemeyer

Journal papers

- Augustin, T., Hockemeyer, C., Suck, R., Podbregar, P., Kickmeier-Rust, M. D., & Albert, D. (2015). Individualized skill assessment in educational games: The mathematical foundations of partitioning. *Journal of Mathematical Psychology*, 67, 1–7.
- Breen, D., Aboulafia, A., Zhang, D., Hockemeyer, C., Albert, D., & Shorten, G. (2014). Defining a competence map for a practical skill. *The Clinical Teacher*, 11 (7), 531–536.
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- Heller, J., Steiner, C., Hockemeyer, C., & Albert, D. (2006). Competence-based knowledge structures for personalised learning. *International Journal on E-Learning*, 5 (1), 75–88.
- Brandt, S., Albert, D., & Hockemeyer, C. (2003). Surmise relations between tests - mathematical considerations. *Discrete Applied Mathematics*, 127 (2), 221–239.
- Hockemeyer, C., Conlan, O., Wade, V., & Albert, D. (2003). Applying competence prerequisite structures for eLearning and skill management. *Journal of Universal Computer Science*, 9, 1428–1436.
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Hockemeyer, C. (1997). Using the basis of a knowledge space for determining the fringe of a knowledge state. *Journal of Mathematical Psychology*, 41, 275–279.

Conference papers & book chapters

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Ünlü, A., Schrepp, M., Heller, J., Hockemeyer, C., Wesiak, G., & Albert, D. (2013). Recent developments in performance-based knowledge space theory. In Jean-Claude Falmagne, Dietrich Albert, Christopher Doble, David Eppstein, & Xiangen Hu, editors, *Knowledge Spaces: Applications in Education*, pp. 147–192. Springer, Heidelberg.

Albert, D., Hockemeyer, C., Kickmeier-Rust, M. D., Nussbaumer, A., & Steiner, C. M. (2012). E-learning based on metadata, ontologies and competence-based knowledge space theory. In D. Lukose, A. R. Ahmad, & A. Suliman, editors, *Knowledge Technology. Third Knowledge Technology Week, KTW 2011*, volume 295 of *Communications in Computer and Information Science*, pp. 24–36, Berlin. Springer.

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Technical reports and software manuals

- Hockemeyer, C. (2023). [CDSS](#): Course–Dependent Skill Structures. R package version 0.1-0.
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- Hockemeyer, C. & Wong, W. (2023). [kstMatrix](#): Basic Functions in Knowledge Space Theory Using Matrix Representations. R package version 0.1-5.
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