

# About the Authors

**Dr. Schaffer and Mr. Stern Dance Ensemble.** From a dance comparing the extinction of the dinosaurs with the fate of jocks to a “reverent parody” of Hamlet, from vaudevillian handshakes to ancient Chinese stories of flying machines, the Ensemble, co-founded and co-directed by Karl Schaffer and Erik Stern, is known for its highly physical and often humorous choreography. Their performance, educational and written work integrating the worlds of mathematics and dance in surprising and groundbreaking ways anticipated the spread of arts integration methods. They have toured throughout North America and in Europe and Asia, most recently performing in Houston, Madison, Buffalo, Hungary, France, at the Museum of Mathematics in New York, and at the National Science Museum in Seoul, South Korea. The company has received five National Endowment for the Arts awards for their cross-disciplinary performance work and Schaffer and Stern are Kennedy Center for the Performing Arts Teaching Artists. Visit [www.mathdance.org](http://www.mathdance.org), and view their TEDx Manhattan Beach video.

**Karl Schaffer** is a dancer, choreographer, and mathematician. His concert *The Daughters of Hypatia* celebrating women mathematicians throughout history has toured nationally and his concert *Mosaic* deals with peace, justice and culture in the Mideast. He has performed and/or taught contemporary dance, tap, Tai Chi, Bharatya Natyam, Flamenco, and folk dance. He received a Ph.D. in mathematics from UC Santa Cruz and teaches math at De Anza College.



**Erik Stern** is a choreographer, dancer, musician and interdisciplinary educator. His work *Demolition Derby* brought together Alzheimer’s organizations and corporations. His collaborative projects Pattern Play and DanceScienceFest are being presented nationally. A Professor of Dance at Weber State University in Ogden, Utah, he received his B.A. in Biology from UC Santa Cruz and an M.F.A in Dance from CalArts.

**Scott Kim** is a renowned mathematician, graphic artist, author, educator, and puzzle master. He wrote the monthly puzzle column in Discover Magazine for ten years, and his puzzles have appeared in Games Magazine, Scientific American, and numerous computer games. His book *Inversions* delves into symmetric play with letterforms, and Scott has been called “the M.C. Escher of letterforms.” He currently designs games for [abcmouse.com](http://abcmouse.com), has a Ph.D. in computer science from Stanford University, and lives in Burlingame, CA.