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HISTORY:

- 2000-present Physics Instructor, Weston High School, Weston, MA
- 2000-2005 Content Developer, Effective Educational Technologies, Cambridge, MA
- 2000 Visiting Scientist, Massachusetts Institute of Technology, Cambridge, MA
- 1999-2000 Research Associate, Education Development Center (Newton, MA)
- 1998 - 1999 Physics Teacher, Thayer Academy (Braintree, MA)
- 1993-1998 Science Teacher, Northfield Mount Hermon School (Northfield, MA)
- 1993 Physics Instructor, Lakeland Community College (Mentor, Ohio)
- 1986-1992 Science Teacher, Math School No. 57 for the gifted (Moscow, Russia)
- 1982-1986 Teaching Assistant, Math School No. 57 for the gifted (Moscow, Russia)

CONSULTING EXPERIENCE:

- Wrote test items for high-school standardized state exams (Harcourt Educational Measurement, 2000-2001; ETS K-12, 2001-present; ACT, 2001-present)
- Served as a Reader (grader) of AP Examinations in Physics (since 2005)
- Consulted on development of qualifying exam for the new physics teachers: content development, standards alignment (ABCTE, 2005 - present)
- Taught mathematics and data analysis at the High Achievers Program (Hong Kong International School, Hong Kong, 2004)
- Developed content for the interactive problem-solving Web-based environment *Mastering Physics* for Effective Educational Technologies and Pierson Education (2000-present)
- Wrote and reviewed test items for the graduate school admission exams (American Institutes for Research, 1996-2001, ACT, 2003-2008)
- Conducted workshops on science education for high school teachers (1998-present)
- Coached the US Physics Team (1996-1997)
- Wrote about 700 problems for *Physics for Scientists and Engineers* by Paul Tipler (Worth Publishers, 1996)
- Wrote about 400 problems for *Physics for Scientists and Engineers with Modern Physics* by Ray Serway (Saunders College Publishing, 1994)

PUBLICATIONS:

Korsunsky, B., Agar, O. (2008) Physics First? Survey First! *The Physics Teacher*, 45, 521-524.

Korsunsky, B. (2006) Teaching to the test: some SSS-based TTTT. *The Physics Teacher*, 44, 434-438.

Korsunsky, B. (2004) Ready, SET, Go! A research-based approach to problem solving. *The Physics Teacher*, 42, 493-497.

Korsunsky, B., Love, J., Brown L., Brehmer, S., Lemley, M. (2004) *The Best Test Preparation For The AP Physics B & C*. Research & Education Assn.

Korsunsky, B. (2001-present) Physics Challenges for Teachers and Students (a monthly column). *The Physics Teacher*

Korsunsky, B. (2001) Improper use of physics context in math problems: the implications for learning and teaching. *School Science and Mathematics* (March, 2002)

Korsunsky, B. (1999). When things fall apart. *Quantum*, 9, 5, 4-8.

Korsunsky, B. (1997). Fair and squared! *Quantum*, 7, 5, 53-56.

Korsunsky, B. (1997). *Holt Physics Problem Workbook*. Austin etc.: Holt, Rinehart & Winston.

Korsunsky, B. (1995). *Important components of learning components*. *Quantum*, 5, 3, 45-48.

Korsunsky, B. (1995). Braintwisters for physics students. *The Physics Teacher*, 33, 550-553.

Korsunsky, B. (1995). *Instructor's Solutions Manual For Challenging Problems for Physics*. Fort Worth etc.: Saunders College Publishing.

Korsunsky, B. (1995). *Challenging Problems for Physics*. Fort Worth etc.: Saunders College Publishing.

EDUCATION:

Ed. D. (2003) Harvard Graduate School of Education, Cambridge, Mass.

Dissertation topic: Cognitive Mechanisms of Solving Non-Trivial Physics Problems. Online at http://www.weston.org/schools/hs/sci/apphy/korsunsky/Dissertation-pdf/table_of_contents.htm

M. S. (1992) (Physics/Physics Education) Moscow Open Pedagogical University, Moscow, Russia

M. S. (1988) (Physical Chemistry/Physics) Moscow Institute of Steel and Alloys, Moscow, Russia

HONORS AND AWARDS:

- 1996-1997 Coach, US Physics Team (sponsored by AAPT and AIP)
- 1999 Larsen Entering Award (Harvard Graduate School of Education, Cambridge, MA)
- 2002 Fulbright Memorial Fund Scholarship
- 2006 US Teacher Representative, International Summer School for Young Physicists (University of Waterloo, Canada, sponsored by AAPT)

TEACHING CERTIFICATIONS:

Physics, Chemistry, Mathematics (MA)

Physical Science (NJ)