GENEALOGY DATABASE ENTRY

Routh, Edward John   1831 - 1907

DEGREE: BA (mathematics)   DATE: 1854   PLACE: Cambridge
TEACHER/RESEARCH ADVISOR: Hopkins

studied dynamics of rigid objects and introduced a modified Lagrangian function to compute their motion; analyzed solution of differential equations describing the dynamic motions of objects; pioneered use of moving coordinate system to analyze curvature of three dimensional curves; most influential and successful teacher of mathematics at Cambridge - tutored over 500 students (nearly half of the math students at Cambridge during his tenure), including Rayleigh, Larmor, Thomson, and Stirling.

1. *Dictionary of Scientific Biography*; Charles Scribner's Sons: 1970-1990; vol. 11, p568-569.
2. *Dictionary of National Biography*; Smith, Elder & Co.: 1908-1986; (1901-11), p233-235.
3. *Monthly Not. Roy. Astron. Soc.* **1908**, *68*, 239-241.
4. *Proc. Roy. Soc. London* **1910-11**, *84A*, xii-xvi.
5. *Proc. London Math. Soc.* **1907**, *5*, xiv-xx.
6. *Cambridge Review* **1907**, *28*, 480-481.
7. *Nature* **1907**, *76*, 200-202.