erhält man wieder die Grundgleichungen

\[ t' = r' = b' = -1; \quad q' = -1 \text{ etc.} \]

Mit Hilfe dieser Symbole lassen sich die Quaternionen selbst in determinantenähnlicher Form schreiben.

Schr.

J. J. Walker. Solutions of two questions (5803, 6674).

Ed. Times XXXVII. 36-37, 57.

Bestimmung der Lage gewisser Kreise als Uebungsauflage für Anwendung der Quaternionen.

Wn.


Der Verfasser leitet zunächst eine größere Reihe von Sätzen ab, welche die Krümmung der Flächen im Allgemeinen betreffen, und gibt dann eine ausführliche Theorie der abwickelbaren Flächen. Die Einfachheit der Formeln, welche aus dem Wegfall der Coordinaten resultiert, ermöglicht den Verfasser die Lösung komplizierterer Aufgaben und die Aufstellung einer Reihe von Sätzen, deren allgemeiner mit der Frage zusammenhängt. Wie muss die Curve \( q = f(u, v) \) der Fläche \( q = f(u, v) \) beschaffen sein, damit die geradlinige Fläche

\[ q = \sqrt{(a^2 + n^2 + r^2) + (x^2 + y^2 + z^2)} \]

eine abwickelbare Fläche ist? (wobei \( a, b, c, d, e \) Funktionen von \( u, v \) sind). Diese Frage gedenkt der Verfasser in einer späteren Arbeit zu behandeln.

Schr.


Dem "Vector" der Quaternionen, welcher eine Strecke von
Professor Peirce's Lectures.

Professor C. S. Peirce will lecture before the Association of Engineers in the Engineering Building to morrow afternoon at 2:30; subject to be announced. Professor Peirce before the mathematical seminary treated the dynamics of connected particles—his school, and in order of mathematical attainments to follow the presentation of his subject. Owing to the presence of a large number of members of the Association of Engineers, the lecture will be given by a member that body will present the methods employed by members for determining the figures of the earth as derived from physical observations.

The subject is filled with interest from a historical and professional point of view. The lecture will be a popular one and the subject will be treated by its most distinguished investigator, Professor Peirce is the son of one of the most eminent mathematicians of this century and has been engaged in the study of his subject during the past fifteen or twenty years.

A nominal invitation to attend is extended to all persons interested, with the assurance that they will be allowed to interview lectures, a subject the importance of which is not lost upon any one. Professor Peirce's remarkably large audience, thorough acquaintanceship with the subject, and pleasant delivery will make the occasion profitable and enjoyable.

The programme of the Irvington to-morrow evening will consist of an essay by Mr. Turley, questions answered, Miss Smith and Miss Eatl; reading of the budget; dinner; and dancing. The financial committee reported the all subscriptions for collecting referred except about $50, which was decided to publish an eight-page issue in the next number of the Association news. Five members were published during the last quarter of the year at subscription prices of three dollars. The issue will be charged to a couple of six editors consisting of the president and five members to be named by the executive committee.

Sibley College.

We publish the following as an example of the thoroughness and care of details which is so evident in the new regime at Sibley College.

The President will be expected to present the annual report of the Professor of Mechanical Engineering. It is not practicable to prepare for the commencement of next term, with such a statement of the proposed terms as in time.

Neither the subject nor the method of treatment need be considered as strictly set to this act; but both may be classes to which the approval of the Dean should be given for such changes. At the end of the winter term, it will be expected that each member of the class pursuing a given plan will present a more complete statement of his plan, and if possible, a very I nteresting in form of a Table of Contents, of his work. It should be remembered that even the whole spring term must be regarded as a period in which to include the work of any class in the majority of the course will be likely to be done. The material must be collected during the menstruating time, and the work wholly finished, leaving only the writing up and necessary notes, to be done at the close of the college year.

Christian Association.

The meeting Tuesday evening was called to order at 2 o'clock and opened by the president with scripture reading and prayer. President Turley and Professor Thomson and Griffen were unanimously elected honorary members of the Association. The treasurer's report covered a balance in the treasury of about $450. The financial committee reported the all subscriptions for collecting referred except about $50, which was decided to publish an eight-page issue in the next number of the Association news. Five members were published during the last quarter of the year at subscription prices of three dollars. The issue will be charged to a couple of six editors consisting of the president and five members to be named by the executive committee.

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