SYLLABUS.

THIRTIETH SESSION, 1911-1912.

First Meeting, Friday, 10th November 1911.
1. The system of cubic curves circumscribing two triangles and a polar to them Dr W. P. MILNE.
2. An easy geometrical representation of the Sextic Covariant of a Binary Quartic Dr W. P. MILNE.
3. On the numerical calculation of Natural Logarithms Dr J. HUGH MILLER.
Second Meeting, Friday, 9th December 1911.
I. The mechanical solution of an <i>n</i> -ic, and exhibition of a model for the determination of the roots
of a cubic Prof. W. PEDDIE. 2. Einstein's Principle of Relativity in its kinematical
aspect Dr D, M, Y, SOMMERVILLE,
3. Note on Legendre's and Bertrand's proofs of the parallel-postulate by infinite areas Dr D. M.Y. SOMMERVILLE.
Third Meeting, Friday, 12th January 1912.
r. An infinite series of triangles and conics with a common pole and polar J. A. Donaldson.
2. The condition that the family of surfaces $\phi(x, y, z, \lambda) = 0$
may be one of an orthogonal triad F. E. EDWARDES.
3. Graphical trisection of circular arc R. F. DAVIS,
Fourth Meeting, Friday, 9th February 1912.
r. Graphical Integration Prof. C. GOLDZIHER.
2. A Mechanism for solving equations of the nth degree - Dr R. F. MUIRHEAD.
The Geometry of the General Pedal Curve - G, Philip.
4. An Extension of the Remainder Theorem - W. GENTLE.
Fifth Meeting, Friday, 8th March 1912.
r. An analytical study of plane rolling mechanisms - Dr G. D. C. STOKES.
2. The Fundamental Formula for the Area of a Triangle in Analytical Geometry C. Tweedie.
3. Proof of a Fundamental Relation between the Bending Moment and Load Curves E. M. Horsburgh.
4. An Extension of Clairaut's Differential Equation - H. LEVY.

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Sixth Meeting, Friday, 10th May 1912.

I.	Investigations on Circular Cubics and Bi-circular Quartics Dr W. P. MILNE.
2.	Notice sur les recherches de Maclaurin concernant les cubiques circulaires Prof. F. G. TEIXEIRA.
3.	Note on Linear Differential Equations with constant
•	coefficients H. T. H. PIAGGIO.
ı.	Secondary Educational Congress, Saturday, 18th May 1912. The function of graphical work in school teaching - Prof. G. A. GIBSON.
	Seventh Meeting, Friday, 14th June 1912.
I.	A Problem in the Linear Flow of Heat discussed from the point of view of the Theory of Integral Equations Prof. H. S. CARSLAW.
2.	Linear Substitutions and their Invariants D. G. TAYLOR.
3.	Two General Results in the Differential Calculus - Wm. Brash.