THIRTY-FIRST SESSION, 1912-1913.

First Meeting, Friday, 8th November 1912.

1. Integral equations and the determination of Green's Functions in the Theory of Potential - - Prof. H. S. CARSLAW.
2. On the Expansion of $\left(1+\frac{z}{\lfloor 2}+\frac{z^2}{\lfloor 3}+\frac{z^3}{\lfloor 4}+\ldots\right)^{-n}$ in positive integral powers of z, when n is a positive integer - - - - - - - - F. E. EDWARDES.
3. A determinantal proof of Ptolemy's Theorem - Prof. J. C. SWAMINARAYAN.

Second Meeting, Friday, 13th December 1912.

1. A method of finding (i) the double points of a unicursal curve, (ii) unicursal quartics with three given double points - - - - - - - Dr R. J. T. BELL.
2. Integration of the x-u differential equation in the problem of two bodies - - - - - - Dr G. D. C. STOKES.
3. The point "O" and two associated cubics - - - F. G. TAYLOR.

Third Meeting, Friday, 10th January 1913.

1. On a certain Algebraical Elimination - - - R. F. DAVIS.
2. Osculating conic at any point of a given plane curve Prof. J. C. SWAMINARAYAN.
3. Diametral curves, and mean point loci of systems of curves and surfaces - - - - - - H. LEVY.

Fourth Meeting, Friday, 14th February 1913.

1. A problem of Robert Simson - - - - - Dr G. PHILIP.
2. On the Summation of $1^r+2^r+3^r+\ldots+n^r$ - - J. A. DONALDSON.
3. Generalized form of Clairaut's equation - - Prof. J. C. SWAMINARAYAN.

Fifth Meeting, Friday, 14th March 1913.

1. Some optical constructions - - - - - - Prof. D. ROBERTSON.
2. Generalisation of the "Orthopole" and allied theorems Dr J. A. THIRD.
3. Mathematical Induction - - - - - - - Dr R. F. MUIRHEAD.

Sixth Meeting, Friday, 9th May 1913.

1. Nonagons nonuply in perspective - - - - - Dr W. P. MILNE.
2. On a certain class of linear substitutions with common invariants, and an associated substitution of order four - - - - - - - - - D. G. TAYLOR.

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Secondary Educational Congress, Saturday, 17th May 1913.

1. Changes in University Mathematics during the last twenty years - - - - - - - Prof. E. T. WHITTAKER.

Seventh Meeting, Friday, 13th June 1913.

1. The "O" circle of the co-axial triad through the vertices of a triangle, and the "O" locus for a cyclic quadrangle - - - - - - - WM. FINLAYSON.
2. A simple equal-area linkage - - - - - - E. M. HORSBURGH.
3. Model of a well-known deformable triangular linkage E. M. HORSBURGH.
4. Graphical Harmonic Analysis - - - - - - E. M. HORSBURGH.

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