

List of speakers and titles (as of 27/6/83).

Offers of additional talks should be made to Bryan Birch. It is regretted that Peter Swinnerton-Dyer has had to withdraw from the Symposium because of unforeseen commitments.

		<u>Probable times</u>
A.O.L. Atkin	Computations with modular forms	1 July 2.15
B.C. Berndt	Chapter 16 of Ramanujan's 2nd notebook (theta-functions)	8 July 3.10
W.A. Casselman	How to obtain all automorphic forms on $SL_2(\mathbb{Z})$	7 July 11.10
J. Coates	Arithmetic of elliptic curves	1,2,4 July 5.00
P. Cohen	An asymptotic evaluation of the coefficients of the transformation polynomial of the modular function	7 July 3.10
J. Conway	Modular functions and the monster group	9 July 5.00
J. Cremona	Automorphic forms and elliptic curves over complex quadratic fields : computations of periods	8 July 3.10
J.-M. Deshouillers	Applications of modular forms to analytic number theory	5 July 10.00
S. Friedberg	Differential operators and the Doi-Naganuma lifting	7 July 3.10
P. Gérardin	Modular forms and geometry on hyperbolic Riemann surfaces	1 July 3.10
D. Goldfeld	A Kronecker limit formula for cubic fields	4 July 3.10
A. Good	Dirichlet and Poincaré series	9 July 10.00
R. Greenberg	To be announced	5 July 9.10
B.H. Gross	Heegner points on $X_0(N)$	1,6,7 July
W.J. Harvey	A certain class of Kleinian group (including $\Gamma(2)$) representing curves of fixed genus with moduli having an interesting property	8 July 2.15
D.A. Hejhal	Some remarks on non-holomorphic modular forms	7 July 4.20
M. Huxley	Exceptional zeros of the Selberg zeta function in congruence subgroups	9 July 9.10
H. Iwaniec	Nonholomorphic modular forms and their applications	5,6,8 July
M.A. Kenku	$\text{Aut } X_0(N)$	6 July 11.10
M.I. Knopp	A generalisation of Weil's result on the Mellin transforms of modular forms on $\Gamma_0(N)$	8 July 11.10
K. Lai	Algebraic cycles on compact Shimura surfaces	9 July 10.00
W.W. Li	Diagonalising the space of cusp forms of weight k , level N and character ϵ	8 July 12.00
I.G. Macdonald	The monster group and associated moonshine	5,7,9 July

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J. McKay	Monstrous products of η -functions	6 July	4.20
A.W. Mason	Geometric algebra	4 July	4.20
J. Mennicke	To be announced		
C.J. Moreno	Some analytic properties of the series $\sum_1^{\infty} \tau^4(n)n^{-s}$	6 July	3.10
M. Ram Murty	Prime divisors of Fourier coefficients of modular forms	2 July	3.10
S. Norton	Moonshine and footballs	7 July	12.00
R.W.K. Odoni	Growth properties for Fourier coefficients of Hecke eigenforms in weight 1	2 July	2.15
I.I. P.-Shapiro	Construction of L-functions for automorphic forms on classical groups	9 July	2.15
R.A. Rankin	Sums of powers of cusp form coefficients	6 July	2.15
K. Ribet	Supersingular divisor classes and congruences among modular forms	4 July	9.30
N. Schappacher	Proof of Deligne's rationality conjecture for L-values and Lichtenbaum's ' Γ -hypothesis' for imaginary quadratic fields	8 July	2.15
A.J. Scholl	Application of p-adic analogues of the Eichler-Shimura cohomology to the Atkin-Swinnerton-Dyer congruences for forms on non-congruence subgroups	6 July	12.00
E.J. Scourfield	Asymptotic formula for $\#\{n \leq x \mid (d, f(n)) = 1\}$	6 July	12.00
J.-P. Serre	Survey of recent progress on modular forms; open problems	1 July	9.30
	Coefficients of modular forms	2 July	9.30
M. Sheingorn	Simple closed geodesics on $H^+/\Gamma(3)$ arise from the Markov spectrum	7 July	2.15
N.M. Stephens	Calculating Heegner points	2 July	4.20
W.W. Stothers	An inequality between level and index for congruence groups and applications	8 July	4.20
A. Terras	Automorphic forms for $GL(n, \mathbb{Z})$ and Poisson summation	8 July	2.15
J.L. Waldspurger	Sur les valeurs de certaines fonctions L automorphes en leur centre de symetrie	4 July	2.15
P.L. Walker	Partial fraction expansion for theta series and their Mellin transforms	6 July	11.10
D. Zagier	On the derivatives of L-series of elliptic curves	2,4,8 July	
