

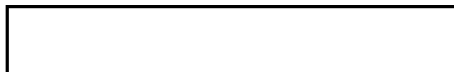
FILE 997033

April 29, 1966

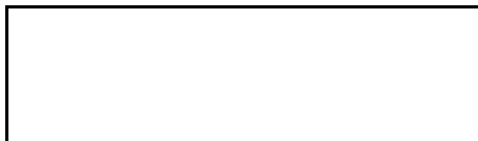
Preliminary Program

LENS DESIGN WITH LARGE COMPUTERS

July 5-8, 1966



STAT



STAT

NGA Review Complete

The program as given below includes the names of people who have indicated that they intend to present papers, but from whom no title or abstract has been received. In addition, inquiries have been received from both Russian and Polish designers whose plans are not yet firm. Some papers will probably be added later. A final program with abstracts will be issued early in June. The proposed panel discussions seem to have vanished.

To avoid the necessity of travel on July 4, there will be no meetings until the evening of July 5.

The meetings will be held at the [redacted] [redacted] Be sure to return the enclosed post card to the Sheraton if you want a room. Bring a bathing suit; the Sheraton has a pool.

STAT

Registration fee for the conference is \$20. This includes the film show and reception at [redacted] on Wednesday evening and the banquet at the Sheraton Thursday evening.

STAT

This program is being sent to a number of people from whom we've heard nothing. The final program will be sent only to those who have responded so far or who write asking for it.

TUESDAY, JULY 5

2:00 - 8:00 Registration, Sheraton Hotel and Motor Inn
2:00 - 5:00 Open House, [redacted]

STAT

Evening Program Sheraton Hotel and Motor Inn

8:00 WELCOMING REMARKS

STAT

8:10 LENS DESIGN RESEARCH AT THE INSTITUTE OF OPTICS

STAT

9:00 EIGHT YEARS OF LENS DESIGNING WITH LARGE COMPUTERS

STAT

WEDNESDAY, JULY 6

Morning Session

9:00

[Redacted]

STAT

Title to be received

9:45

[Redacted]

STAT

ODDS AND ENDS FROM A GREY BOX

10:00

[Redacted]

STAT

THE SEMI-AUTOMATIC GENERATION OF OPTICAL PROTOTYPES

Intermission, 10:40 - 11:00

STAT

11:00

[Redacted]

DOUBLE-GAUSS SYSTEMS

11:25

[Redacted]

STAT

COMMERCIALY AVAILABLE LENS DESIGN PROGRAMS

Afternoon Session

2:00

[Redacted]

STAT

THE USE OF DIFFRACTION-BASED CRITERIA OF IMAGE QUALITY IN AUTOMATIC OPTICAL DESIGN

3:00

[Redacted]

STAT

THE CERCO PROGRAM FOR AN AUTOMATIC LENS DESIGN

Intermission, 3:40 - 4:00

4:00

[Redacted]

STAT

SEMI-AUTOMATIC LENS DESIGN ON A LARGE COMPUTER

STAT

4:30

[Redacted]

CONSTRUCTION OF THE MERIT FUNCTION IN AUTOMATIC LENS DESIGN

Evening Program

George Eastman House and Museum of Photography

8:00 Film Show
Films of historical and technological interest,
especially selected from the [REDACTED] archives.

STAT

9:00 Reception
Exhibits of the Museum of Photography will be
open to visitors during the reception. Displays
include early-model cameras and print-making
methods, optical demonstrations, and galleries
of photographs as art.

THURSDAY, JULY 7
Morning Session

9:00 [REDACTED]
THE 'LEAD' PROGRAM

STAT

9:40 [REDACTED]
EXPERIENCE WITH THE 'LEAD' PROGRAM

STAT

10:00 [REDACTED]
A COST VS. APERTURE STUDY OF A FAMILY OF LENSES

STAT

Intermission, 10:15 - 10:35

10:35 [REDACTED]
AN EVOLUTIONARY APPROACH TO AUTOMATIC LENS DESIGN

STAT

11:00 [REDACTED]
EXPERIENCE WITH 'ORDEALS'

STAT

11:20 [REDACTED]
A SIMPLE PRESENTATION OF THE OPTICAL TRANSFER
FUNCTION

STAT

Afternoon Session

2:00

[Redacted]

STAT

MODERN MATRIX TECHNIQUES FOR THE DESIGN OF
OPTICAL SYSTEMS

2:20

[Redacted]

STAT

ON THE TOLERANCING OF OPTICAL SYSTEMS

2:35

[Redacted]

STAT

PRODUCTION TOLERANCES

2:50

[Redacted]

STAT

TREATMENT OF SINGULARITIES WHICH OCCUR IN THE
LENS DESIGN PROBLEM

3:00

[Redacted]

STAT

Title to be received

Intermission, 3:10 - 3:30

3:30

[Redacted]

STAT

Title to be received

3:45

[Redacted]

STAT

THE ORTHOGONALIZATION OF ABERRATIONS

Evening Program

Sheraton Hotel and Motor Inn

6:00

Cocktails

7:00

Banquet

[Redacted]

STAT

FRIDAY, JULY 8
Morning Session

9:00 [REDACTED] STAT
ADAPTIVE AUTOMATIC CORRECTION

STAT 9:20 [REDACTED]
COMPARISON OF THE DAMPED LEAST SQUARES METHOD
AND THE ADAPTIVE METHOD OF GLATZEL

10:00 [REDACTED] STAT
Title to be received

Intermission, 10:30 - 10:50

10:50 [REDACTED] STAT
DESIGN OF SPECTROGRAPHIC OPTICS ON IBM 7094

11:20 [REDACTED] STAT
IMPROVEMENT OF THE HELIAR

11:30 [REDACTED] STAT
Title to be announced

Afternoon Session

2:00 [REDACTED] STAT
A LENS DESIGN METHOD USING A QUADRATIC PROGRAMMING
TECHNIQUE

STAT 2:25 [REDACTED]
A COMPARISON OF COMPUTERS FOR LENS DESIGN

2:35 [REDACTED] STAT
ON THE MERIT FUNCTION FOR AUTOMATIC ROUGH DESIGN
BASED ON THE ABERRATION THEORY

2:50 [REDACTED] STAT
Title to be received

3:05 [REDACTED] STAT
AN EFFICIENT AUTOMATIC LENS DESIGN PROGRAM FOR
THE 7094

Intermission, 3:20 - 3:40

3:40

[Redacted]

STAT

50:1 ZOOM PROJECTION LENS

STAT

3:55

[Redacted]

Title to be received

STAT

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