2. INITIAL DATA AND EXECUTION ORDER OF THE TERM PAPER

DATS, which must be designed, consists of: sources of information (SI), hubs, communication channels and central computers. In this case, the main purpose of hubs is to receive data from SI through low-speed and medium-speed communication channels with their further transmission through high-speed communication channels to a central computer. The number and coordinates of sources of information, types of possible equipment for every SI, equipment cost in network segments and sible equipment for every SI, equipment cost in network segments and

operational expenses for data transmission for a period of 300 days are given as initial data for DATS design.

Initial data is given in the tables below:

I. Coordinates of SI, transmitted information volume (table 1); 2. Types of equipment, their bandwidth and cost (table 2);

3. The communication channels lease cost per time unit (table 3).

Sources of information

I əlqvI

Information volume	Coordinates of SI, km		Number
Kpytes	X	X	IS 10
097	0	0	I
390	0	50	7
700	0	07	3
740	0	09	7
005	0	08	ς
008	0	100	9
1200	70	0	L
098	70	70	8
085	70	07	6
140	70	09	10
085	70	08	II
098	70	100	17
1700	07	0	13
008	07	70	ÞΙ
00\$	07	07	SI
740	07	09	91

1. PURPOSE AND TASK OF THE TERM PAPER

on system is aimed at the term paper execution.

The task of the term paper is to study and to master computer netork DATS synthesis process which includes the following stages:

I. DATS structure design.

Mastering the fundamental knowledge of local computer networks dobtaining skills in a computer network synthesis of data transmis-

Determination of coordinates of DATS elements location.
Calculation of the optimal DATS equipment configuration.
DATS costing.