

Compilers: S.M. Kredentsar, H.V. Babij

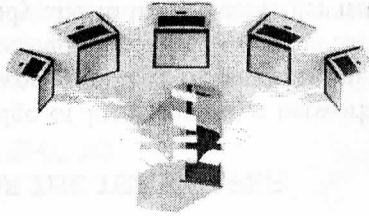
Reviewer N.M. Lobanchikova

Approved by the Methodical and Editorial Board of the National  
Aviation University (Minutes № 7/11 of 17.11.2011)

Методичні рекомендації містять вимоги до виконання та оформлення  
курсової роботи, математичну постановку задачі синтезу системи передачі  
даних та методику розрахунків її компонентів та параметрів, а також список  
літератури.  
Для студентів напряму підготовки 6.070102 «Аеронавігація».

N 46 S.M. Kredentsar, H.V. Babij, – K.: NAU, 2012. – 24 p.  
**Networks and databases** : Term paper Method Guide / compilers :

The Term Paper Method Guide contains the mathematical problem state-  
ment of DATS synthesis and the method of its components and parameters cal-  
culation, the requirements to the term paper preparation, and references.  
The Guide is intended for students of the field of study 6.07102 "Aero-  
navigation".



## INTRODUCTION

The term paper "Synthesis of DATS" is performed according to the  
syllabus of the discipline "Networks and databases" with the aim of  
deepening and improving the theoretical knowledge and mastering the  
practical skills obtained by students while studying the educational ma-  
terial of this discipline in the field of computer-aided networks and da-  
tabases.  
The main purpose of the term paper is to master the fundamental  
knowledge of local computer networks and to obtain practical skills in  
this field.

As a result of the term paper execution students must  
*know*:

- what is a DATS and its basic components;
- what is a server and a hub;
- the stages of DATS synthesis;
- the tasks to be solved at each stage of DATS synthesis;

*be able to*:

- design structurally and choose project decisions for DATS;
- choose necessary equipment and location of DATS elements.