

## USING MAPLE MODULES IN SOLVING TASKS WITH BASIC FORMULAS OF SPHERICAL TRIANGLES

**Egamov Mirshohid Kholmurodovich**  
Senior teacher, Karshi Engineering-Economics Institute  
**UZBEKISTAN**  
mirshohid.egamov@mail.ru

### ABSTRACT

In this article, solutions of the basic formulas of a spherical triangle, calculations of some problem tasks using Maple modules are highlighted. For students studying in geodesy, cartography, and cadaster, it is difficult to solve problems on the basic formulas of spherical trigonometry. This type of formulas makes it easy to calculate problems on the computer with the MAPLE software. As well as, the accuracy coefficient for solving spherical trigonometry computed by the MAPLE software will considerably be higher. Studying the elements of spherical trigonometry helps students solve some problems of higher geodetic science.

**Keywords:** Spherical triangle, cosine, sine, theorem.