

## CHEGIRMALAR YORDAMIDA XOSMAS INTEGRALLARNI HISOBLASH USULLARI

**E. M. Mahkamov**

Toshkent viloyati Chirchiq davlat pedagogika instituti “Matematika va informatika”  
kafedrasi mudiri, f.-m.f.f.d.(PhD)  
E-mail: [erkincspi@gmail.com](mailto:erkincspi@gmail.com)

**S. D. Eshmetova**

Toshkent viloyati Chirchiq davlat pedagogika instituti “Aniq va tabiiy fanlarni  
o’qitish metodikasi (matematika)” yo’nalishi 2-kurs magistranti  
E-mail: [sabohateshmetova898@gmail.com](mailto:sabohateshmetova898@gmail.com)

### ANNOTATSIYA

Oliy ta’limda xosmas integrallar mavzusini o’qitishning ba’zi uslub va metodlariga bo’lgan talabdan kelib chiqib, ushbu maqolada chegirmalar nazariyasi va uning ba’zi tadbirlari asosida xosmas integrallar yechimlari bayon qilingan.

**Kalit so'zlar:** maxsus nuqtalar, golomorf funksiyalar , chegirmalar, xosmas integral.

### ABSTRACT

In connection with the demand for certain methods and techniques of teaching the subject of integrals in higher education, this article describes the solutions of internal integrals based on the theory of discounts and some of its applications.

**Keywords:** singular points, holomorphic function, residue, proper integral.