

## **Željka Milin Šipuš**

Evolute krivulja i ploha u prostoru Minkowskog

U izlaganju ćemo proučiti svojstva evoluta i evolutoida pridruženih krivuljama i plohama u specijalnom ambijentnom prostoru, u prostoru Minkowskog (Lorentzovom prostoru). Posebno ćemo se osvrnuti na elementarno-geometrijsku konstrukciju evolutoida ravninskih krivulja, te proučiti svojstva specijalnih evoluta ploha, tzv. harmonijskih evoluta.

Evolutes of curves and surfaces in Mikowski space

In this talk we will study properties of evolutes and evolutoids associated to curves and surfaces of the special ambient space - Minkowski (Lorentz) space. In particular, we will study the elementary-geometric construction of evolutoids of plane curves as well as some properties of special type of surface evolutes – so called harmonic evolutes.