

## ABSTRACT

**Diplomna work:** 99 pages , 24 picture 10 charts, 3 graphs 72 literary sources

**The Work aim:** Exploration the influence of constant current on corrosion rigidity vacuum condensed films copper.

**The methods of exploration:** interferometric measurings of thickness vacuum the condensed tape, trasmission electronic microscopy (TEM), method of resistance measurement.

**The Exploration subject:** The influence of constant current on copper vacuumly condensed coverage

**Scientific new:** Are received are given on dependence corrosion copper coverage from current growth

**Practical task:** To manufacture vacuumly kondenovani on glass substrate thin layers copper and to explore dependence the velocity of corrosion received copper films from parameters constant current

**Effects:** Manufactured vacuumly kondenovani on glass substrate thin layers copper and is explored dependence the velocity of corrosion received copper films from parameters constant current. Is established, what velocity corrosion inversely depends on current growth.

COPPER, FILM INTERFEROMETRIC MEASURINGS, TRASMISSION ELECTRONIC MICROSCOPY (TEM), CONSTANT CURRENT, RESISTANCE, INTERFERENTSIYA.