

Name:
Group: GM, DM

School year:
Date of measurement:

Report

Topic: Measurement of electrical conductivity of electrolytes.

Exercise: Measure the conductance of the prepared NaCl solutions and construct the graphic dependence: $\kappa = f(c)$.

Devices and implements used: conductometer, conductivity cell, KCl solution NaCl solutions with different concentrations.

Procedure: according to the instructions.

Measured values and calculations.

$G_0 =$

$\kappa_0 =$

$t =$

$K =$

| c [mol/l] | G [S] | $\kappa [\Omega^{-1} \text{ m}^{-1}]$ |
|------------------|--------------|---|
| 0.05 | | |
| 0.10 | | |
| 0.15 | | |
| 0.20 | | |
| 0.25 | | |
| 0.30 | | |
| 0.40 | | |
| 0.50 | | |

Graphical dependence $\kappa = f(c)$ - (mm paper).

Conclusion and commentary: