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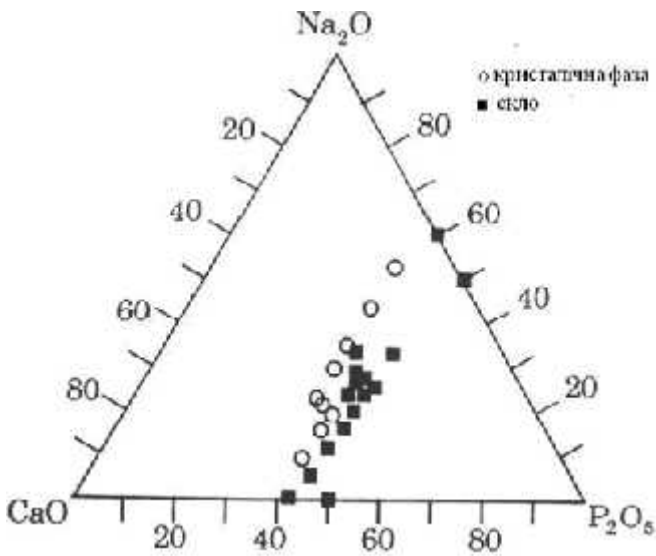
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Zn²⁺, Cu²⁺, Mn⁴⁺ .

$R_2O-RO-TiO_2-P_2O_5-SiO_2$, $R_2O - Na_2O Li_2O ; RO - CaO$
MgO.



[1].
 $Na_2O-CaO-P_2O_5$

(.1) [2].

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 $Na_2O-CaO-P_2O_5$

[3].

$Na_2O- O-P_2O_5-SiO_2$
[4].

$R_2O-RO-TiO_2-P_2O_5-SiO_2$

: 1.

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