

## Discussion

---

# Isotachophoresis of polyols in borate buffer solutions —a reply

S.P. Atamas

*Crimean Medical Institute, Department of Biochemistry, Bulv. Lenina 5/7, 333 670 Simferopol (Ukraine)*

(Received October 18th, 1993)

Referring to Reijenga's comments [1] concerning our paper in this journal [2], I should like to state that the data in Fig. 1 relate to ionophoretic but not isotachophoretic mobility. It is evident that boundary mobilities in isotachophoresis and in free electrophoresis differ from each other. Hence the first of the three considerations presented is not relevant.

In addition, the model equation discussed is empirical and does not explain the real mechanism of interaction between polyols, boric acid and water.

Since these interactions are not simple, as follows from the second and the third considerations of Dr. Reijenga and from many other

sources, the model empirical equation fitting experimental data also cannot be simple. We tried to select the simplest of all possible versions which are accurate enough. However, the final equation obtained is still too complicated.

We consider that our model fitting is adequate, as can be seen in Fig. 1. However, we would be grateful to anybody who can find a better model equation for the experimental data.

#### REFERENCES

- 1 J.C. Reijenga, *J. Chromatogr.*, 659 (1994) 223.
- 2 S.P. Atamas and G.V. Troitsky, *J. Chromatogr.*, 644 (1993) 407.