

Department of Data Theory  
Faculty of Social Sciences  
Leiden University

---

Middelstegegracht 4  
2312 TW Leiden  
The Netherlands

---

Leiden, January 29, 1986

To whom it may concern

I have known Dr. Wolfgang Hartmann's work for about 8 years now, and I have always been impressed with its quality. And also with its quantity, certainly considering the difficult circumstances under which much of it must have been written in his last DDR years. Dr. Hartmann combines an expert knowledge of modern numerical optimization techniques with an equal expertise in multivariate data analysis, in particular multidimensional scaling and related techniques. His work is characterized by great thoroughness and attention for detail. From what I infer from his published work, he must also be an expert computer programmer.

I have met Dr. Hartmann two or three times at international conferences. He is a very likable and modest person, and it seems to me that it must be a pleasure to work with him or to have him work in your organization.

(signed)



Prof. Dr. J. de Leeuw  
Professor of Data Theory