Monet; a next-Generation DBMS Kernel For Query-Intensive Applications

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Citation for published version (APA):

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Monet:

A Next-Generation DBMS Kernel
For Query-Intensive Applications

ACADEMISCH PROEFSCHRIFT

ter verkrijging van de graad van doctor
aan de Universiteit van Amsterdam,
op gezag van de Rector Magnificus
prof. mr. P. F. van der Heijden
ten overstaan van een door het
college voor promoties ingestelde commissie
in het openbaar te verdedigen
in de Aula der Universiteit
op vrijdag 31 mei 2002 te 11.00 uur

door Peter Alexander Boncz
egeboren te Amsterdam
The research reported in this thesis has been initiated while the author was at the Science Faculty of the University of Amsterdam, at the Intelligent Sensory Information Systems (ISIS) research group of the Informatics Institute.

The research reported in this thesis was continued while the author was at Data Distilleries B.V., a CWI research spin-off company that uses the Monet system – subject of this thesis – for data mining functionality in its analytical Customer Relationship Management (aCRM) products.

The research reported in this thesis was finished at current position of the author at CWI, the Dutch national research laboratory for mathematics and computer science, within the theme Data Mining and Knowledge Discovery, a subdivision of the research cluster Information Systems.

The research reported in this thesis has been carried out under the auspices of SIKS, the Dutch Graduate School for Information and Knowledge Systems. SIKS Dissertation Series No-2002-07.

ISBN 90 6196 512 8

Cover: impression of Figure 3.1 (hardware latencies do not obey the law of Moore).