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Growing and moving planets in disks

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PLANETS FORM IN DISKS THAT ARE COMMONLY FOUND
AROUND YOUNG STARS. THE INTIMATE RELATIONSHIP
THAT EXISTS BETWEEN PLANET AND DISK CAN ACCOUNT
FOR A LOT OF THE EXOTIC EXTRASOLAR PLANETARY
SYSTEMS KNOWN TODAY.

IN THIS THESIS WE EXPLORE DISK-PLANET
INTERACTION USING NUMERICAL HYDRODYNAMICAL
SIMULATIONS. WE STUDY THE GROWTH AND
MIGRATION OF EMBEDDED PLANETS, AS WELL AS
THE CONDITION FOR GAP FORMATION IN THE DISK.
THESE PLANETARY GAPS PROVIDE AN IMPORTANT
LINK TO FUTURE OBSERVATIONS.



GROWING AND MOVING PLANETS IN DISKS
SIJME-JAN PAARDEKOOPER

GROWING AND MOVING PLANETS IN DISKS



SIJME-JAN PAARDEKOOPER

UITNODIGING

OP DONDERDAG 28 SEPTEMBER 2006
OM 16:15 ZAL IK MIJN PROEFSCHRIFT

GROWING AND MOVING PLANETS IN DISKS

VERDEDIGEN IN DE LOKHORSTKERK,
PIETERSKERKSTRAAT 1.

IK NODIG U VAN HARTE UIT HIERBIJ
AANWEZIG TE ZIJN.



MET TIJDROVENDE PARKEERPROBLEMEN
IN HET CENTRUM VAN LEIDEN DIENT
REKENING TE WORDEN GEHOUDEN.

SIJME-JAN PAARDEKOOPER

