

Migration Planétaire – Bibliographie

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Article de revue sur la migration de type I et II

Ward, William R., *Protoplanet Migration by Nebula Tides*, 1997 *Icarus*, **126**, 261.

Calcul des couples Lindblad/Corotation

- Goldreich, P. and Tremaine, S., *The excitation of density waves at the Lindblad and corotation resonances by an external potential*, 1979 *Astrophys. J.*, **233**, 857.
- Meyer-Vernet, N. and Sicardy, B., *On the physics of resonant disk-satellite interaction*, 1987 *Icarus*, **69**, 157.
- Artymowicz, P., *On the Wave Excitation and a Generalized Torque Formula for Lindblad Resonances Excited by External Potential*, 1993 *Astrophys. J.*, **419**, 155.

Articles de Ward (migration de type I, couple de corotation)

- Ward, W. R., *Density waves in the solar nebula - Differential Lindblad torque*, 1986 *Icarus*, **67**, 164.
- Ward, W. R. and Hourigan, K., *Orbital migration of protoplanets - The inertial limit*, 1989 *Astrophys. J.*, **347**, 490.
- Ward, W. R., *Corotation torques in the solar nebula - The cutoff function*, 1989 *Astrophys. J.*, **336**, 526.
- Ward, W. R., *Horsehoe Orbit Drag*, 1991 *Abstracts of the Lunar and Planetary Science Conference*, **22**, 1463.

- Ward, W. R., *Coorbital Corotation Torque*, 1992 Abstracts of the Lunar and Planetary Science Conference, **23**, 1491.

Effets du disque sur l'excentricité d'une protoplanète

- Goldreich, P. and Tremaine, S., *Disk-satellite interactions*, 1980 *Astrophys. J.*, **241**, 425.
- Ward, W. R., *On disk-planet interactions and orbital eccentricities*, 1988 *Icarus*, **73**, 330.
- Papaloizou, J. C. B., Nelson, R. P. and Masset, F., *Orbital eccentricity growth through disc-companion tidal interaction*, 2001, *Astron. & Astrophys.*, **366**, 263.
- Goldreich, P. and Sari, R., *Eccentricity Evolution for Planets in Gaseous Disks*, 2003 *Astrophys. J.*, **585**, 1024.

Sur l'effet de l'excentricité sur la migration

Papaloizou, J. C. B. and Larwood, J. D., *On the orbital evolution and growth of protoplanets embedded in a gaseous disc*, 2000 *Monthly Notices of the R.A.S.*, **315**, 823.

Sur la saturation du couple de corotation (excentrique ou coorbital)

- Ogilvie, G. I. and Lubow, S. H., *Saturation of the Corotation Resonance in a Gaseous Disk*, 2003 *Astrophys. J.*, **587**, 398.
- Masset, F., *On the Co-orbital Corotation Torque in a Viscous Disk and Its Impact on Planetary Migration*, 2001 *Astrophys. J.*, **558**, 453.
- Masset, F., *The co-orbital corotation torque in a viscous disk: numerical simulations*, 2002 *Astron. Astrophys.*, **387**, 605.
- Balmforth, N. J. and Korycansky, D. G., *Non-linear dynamics of the corotation torque*, 2001 *Monthly Notices of the R.A.S.*, **326**, 833.

Sur le sillage d'une protoplanète

Ogilvie, G. I. and Lubow, S. H., *On the wake generated by a planet in a disc*, 2002 Monthly Notices of the R.A.S., **330**, 950.

Sur l'ouverture d'un sillon gap

- Lin, D. N. C. and Papaloizou, J., *On the tidal interaction between protoplanets and the primordial solar nebula. II - Self-consistent nonlinear interaction*, 1986 Astrophys. J., **307**, 395.
- Lin, D. N. C. and Papaloizou, J., *On the tidal interaction between protoplanets and the primordial solar nebula. III - Orbital migration of protoplanets*, 1986 Astrophys. J., **309**, 846.
- Korycansky, D. G. and Papaloizou, J. C. B., *A Method for Calculations of Nonlinear Shear Flow: Application to Formation of Giant Planets in the Solar Nebula*, 1996 Astrophys. J.S., **105**, 181.

Sur la migration emballée

Masset, F. and Papaloizou, J.C.B. *Runaway Migration and the Formation of Hot Jupiters*, 2003 Astrophys. J., **588**, 494.

Sur les effets de transfert radiatif couplés à la migration

Jang-Condell, H. and Sasselov, D. D., *Radiative Transfer on Perturbations in Protoplanetary Disks*, 2003 Astrophys. J., **593**, 1116.

Sur les simulations numériques à une planète

- Nelson, Richard P., Papaloizou, John C. B., Masset, Frédéric and Kley, Willy, *The migration and growth of protoplanets in protostellar discs*, 2000 Monthly Notices of the R.A.S., **318**, 18.
- Bryden, G., Chen, Xingming, Lin, D. N. C., Nelson, Richard P. and Papaloizou, John C. B., *Tidally Induced Gap Formation in Protostellar Disks: Gap Clearing and Suppression of Protoplanetary Growth*, 1999 Astrophys. J. **514**, 344.

Techniques numériques spécifiques aux disques Képlériens

- Kley, W., *On the treatment of the Coriolis force in computational astrophysics*, 1998 *Astron. Astrophys.*, **338**, 37.
- Masset, F., *FARGO: A fast eulerian transport algorithm for differentially rotating disks*, 2000 *Astron. Astrophys. Suppl. Ser.*, **141**, 165.

Sur les simulations numériques à plusieurs planètes

- Kley, W., *On the migration of a system of protoplanets*, 2000 *Monthly Notices of the R.A.S.*, **313**, 47.
- Masset, F. and Snellgrove, M., *Reversing type II migration: resonance trapping of a lighter giant protoplanet*, 2001 *Monthly Notices of the R.A.S.*, **320**, 55.
- Bryden, G. Rózyczka, M., Lin, D. N. C. and Bodenheimer, Peter, *On the Interaction between Protoplanets and Protostellar Disks*, 2000 *Astrophys. J.*, **540**, 1091.
- Snellgrove, M. D., Papaloizou, J. C. B. and Nelson, R. P., *On disc driven inward migration of resonantly coupled planets with application to the system around GJ876*, 2001 *Astron. Astrophys.*, **374**, 1092.
- Kley, W., Peitz, J. and Bryden, G., *Evolution of planetary systems in resonance*, 2004 *Astron. Astrophys.*, **414**, 735.