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Title: *“Habitable planets in binary stars”*

Abstract. The formation and evolution of habitable planets is of particular interest in astrophysics nowadays. Since a large fraction of low-mass stars exist in binary and multiple star systems, an important question is the possibility of planetary habitability in such stellar systems. It is well known that planets in binary stars can have two types of motion, i.e. S-types and P-types. In both cases it is important that the regions of stable motion coincide with the habitable zone, i.e. the area around a star where a planet has appropriate conditions for habitability. In this presentation we discuss how dynamical perturbations and stellar activity might influence the formation of habitable environments in tight binary stars.

(Joint work with A. Bazso, D. Bancelin and C. Johnstone)