

# Contents

## Research Articles

**RAMON GONZÁLEZ CALVET**

*On the Dynamics of the Solar System I: Orbital Inclination  
and Nodal Precession* ..... 1–38

**DANIELE CORRADETTI, ALESSIO MARRANI, DAVID CHESTER  
AND RAYMOND ASCHHEIM**

*Octonionic Planes and Real Forms of  $G_2$ ,  $F_4$  and  $E_6$*  ..... 39–57

**JUMPEI GOHARA, YUJI HIROTA, KEISUI INO AND AKIFUMI SAKO**

*(Co)Homology Groups and Categorified Eigenvalues* ..... 59–74

**IVAĬLO M. MLADENOV**

*New and Old Parameterizations of the Cassinian Ovals  
and Some Applications of Them* ..... 75–98