

# Workshop on iterative periodic functions and their generalization

Marc Homs Dones

## Abstract

Can you find all continuous functions of the real line such that  $f^2 := f \circ f = id$ ? And what about finding all periodic functions, i.e.  $f^n = id$ ? Or even all solutions to  $f^n = f^k$ ? In this session, we will try to answer these questions together.

This is joint work with Armengol Gasull, presented in doi:10.3934/dcds.2020303 (Looking at it ahead of the presentation is considered cheating!).

**Time:** 12 p.m, 9<sup>th</sup> February 2022

**Location:** B3.02

**Organisers:** Lucas Lavoyer de Miranda (lucas.lavoyer-de-miranda@warwick.ac.uk), Sunny Sood (s.sood.1@warwick.ac.uk)

**Website:** <https://warwick.ac.uk/fac/sci/math/research/events/seminars/areas/postgraduate/21-22>