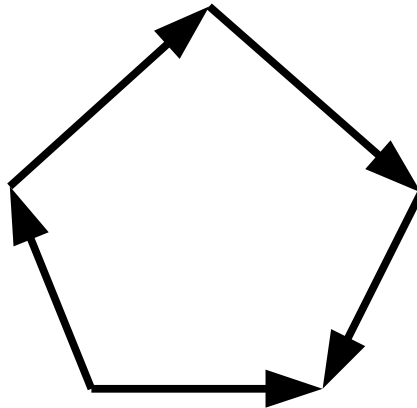


Cocyclic Pentagons

by Sven Nilsen, 2020

In this paper I represent cocyclic pentagons using the theory of cocyclic graphs.

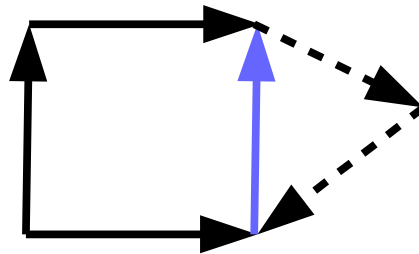
A cocyclic pentagon is the following directed graph:



All cocyclic pentagons are isomorphic.

A cocyclic pentagon is the most complex unique cocyclic N-gon (where all N-gons are isomorphic).

A cocyclic pentagon is constructed from a cocyclic square, using any edge:



The sum of vectors in a cocyclic pentagon is twice the arrow colored in purple:

