

## Seminario de Grafos

**Speaker:** Giovanne Marcelo dos Santos, DIM, Universidad de Chile

**Title:** On the ascending subgraph decomposition problem.

**Abstract:** A *decomposition* of a graph  $G$  is a collection of graphs  $H_1, \dots, H_m$  such that  $G$  is an edge-disjoint union of  $H_1, \dots, H_m$ .

We say that  $G$  has an *ascending subgraph decomposition* if there exists a decomposition of  $G$  such that  $e(H_i) = i$ , and each  $H_i$  is isomorphic to a subgraph of  $H_{i+1}$ . A necessary condition

**Martes 07 de noviembre del 2023, a las 16:00 hrs.**

Sala de Seminarios Jacques L Lions CMM, Séptimo Piso Torre Norte.

