

Introduction

• What is a topological graph?

- *Formally:*
“An ordered pair of sets (V, E) , where the elements of V are called vertices or nodes and E is a set of pairs (called edges) of elements of V ”

- *Informally:*
“A set of vertices (or nodes) together with a set of edges that connect (some of) the vertices”



V





V





V





V













V





V









V



V







$$\mathbf{V} = \{\mathbf{V}_1, \mathbf{V}_2, \mathbf{V}_3\}$$

$$E = \{ \{v_1, v_2\}, \{v_2, v_3\} \}$$

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