How to write in org-mode and export to pdf
simple template

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Section title

This is a placeholder for writing contents

Image

This is an how we can refer to an image, see figure 1.

Figure 1: Leopard icon

There are other ways of showing sub-images and display sub-captions like using in latex, see figure 2

Table

Author	Email	Institution-ID
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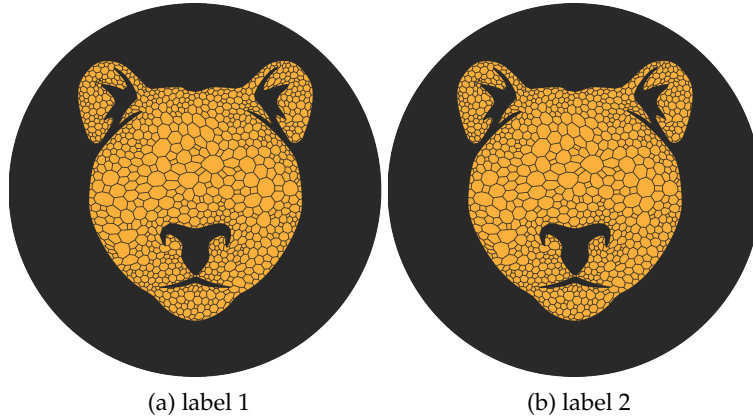(a) label 1   (b) label 2

Figure 2: figures with captions

Section title
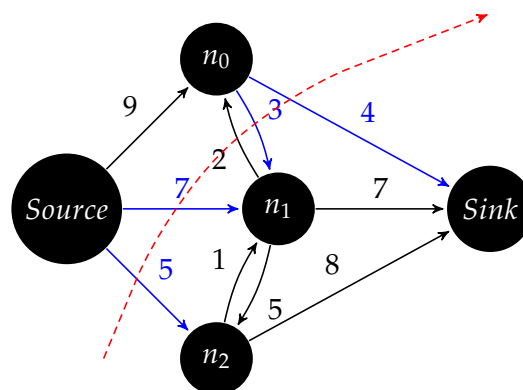
Mathematics in latex

Check equation 1.

$$f(x) = s_0 = \frac{\sum_i n_i^T (x - x_i) \Phi_i(x)}{\sum_i \Phi_i(x)} \tag{1}$$

Graph

Check out the graph in figure 3.

Figure 3: Max flow min cut, max flow = 19

Algorithm

Algorithm 1 How to write algorithms

Data: Initial bounding-box Q_0 for Θ, $QBest = Q_0$, $delta = 3$, stack $\Omega = \{Q_0\}$
Result: Optimal $Q^* = QBest \in \Omega$
while $U_k - L_k > 1$ **do**

  Pop $Q_k \in \Omega$

  Prune Ω if current node is impossible solution node

  Compare L_k from Q_k and QBest

  if $Q_k.L_k > QBest.L_k$ **then**
  | $QBest = Q_k$
  end

  Split Q into Q_I and Q_{II}

  Find best condidate from Q_I and Q_{II} and add them to stack Ω
end

Citation

This is how we can cite paper [**kao2017assembly**]