

Inter University Centre for Astronomy and Astrophysics

I - Batch queueing policy for Perseus Cluster

◆ Purpose

The purpose of a queueing system is to make an efficient use of the available resources. LSF (Load Sharing Facility) is the batch queueing system made available in Perseus Cluster. A queue will be assigned to each cluster user at the time of account creation. The queue will define the resources which user can use in order to reduce unnecessary blocking of the resources. This document describes the scope and the queueing policy implemented at IUCAA.

◆ Scope

- This policy is applicable for the Perseus cluster.

◆ Policy

- Categories of a user, are defined as follows:
 - **Default:** If no group is assigned the user will be a part of this category.
 - **Beginner:** All newly trained users will be a part of this category.
 - **Expert:** All expert users will be a part of this category.
- Users from the **Beginner** category can use a maximum of **128 cores**.
- Users from the **Default** category can use a maximum of **512 cores**.
- Users from the **Expert** category can use a maximum of **1024 cores**.