

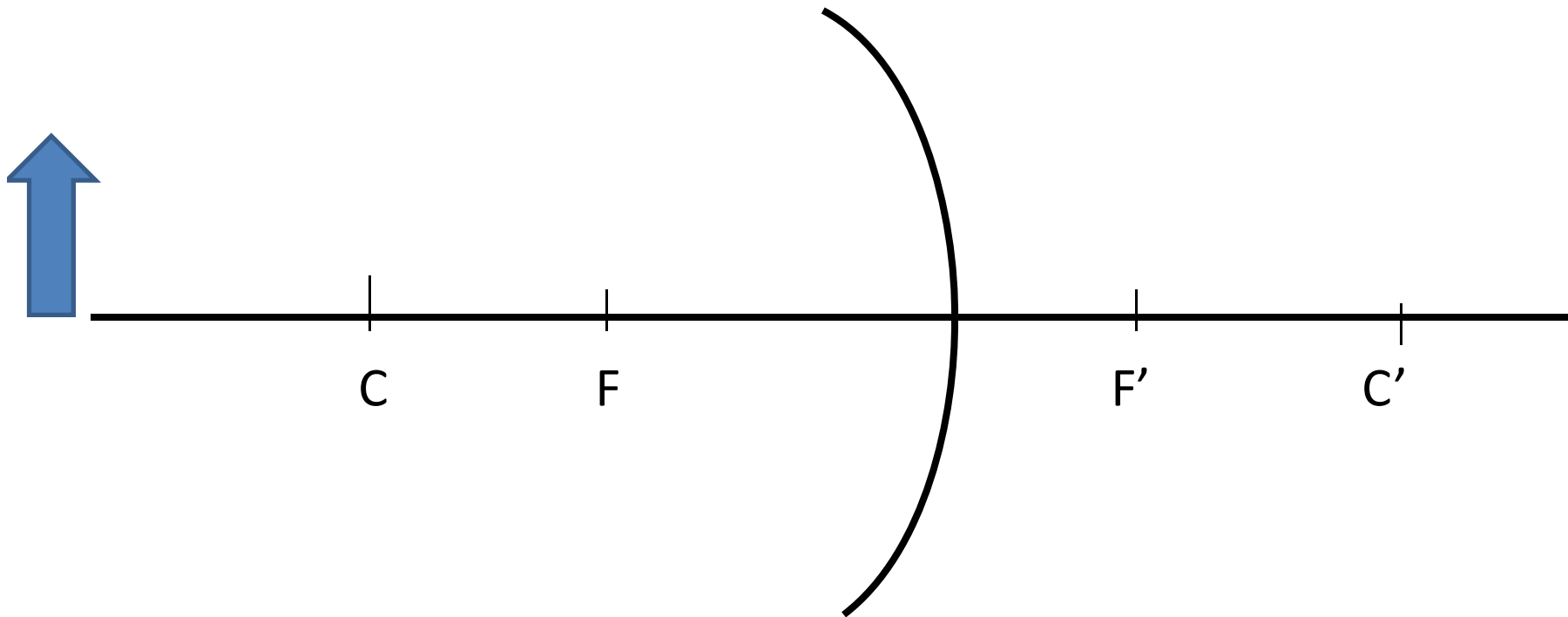
# How to locate an image in a converging (concave) mirror

SNC 2D1

April 15 2011

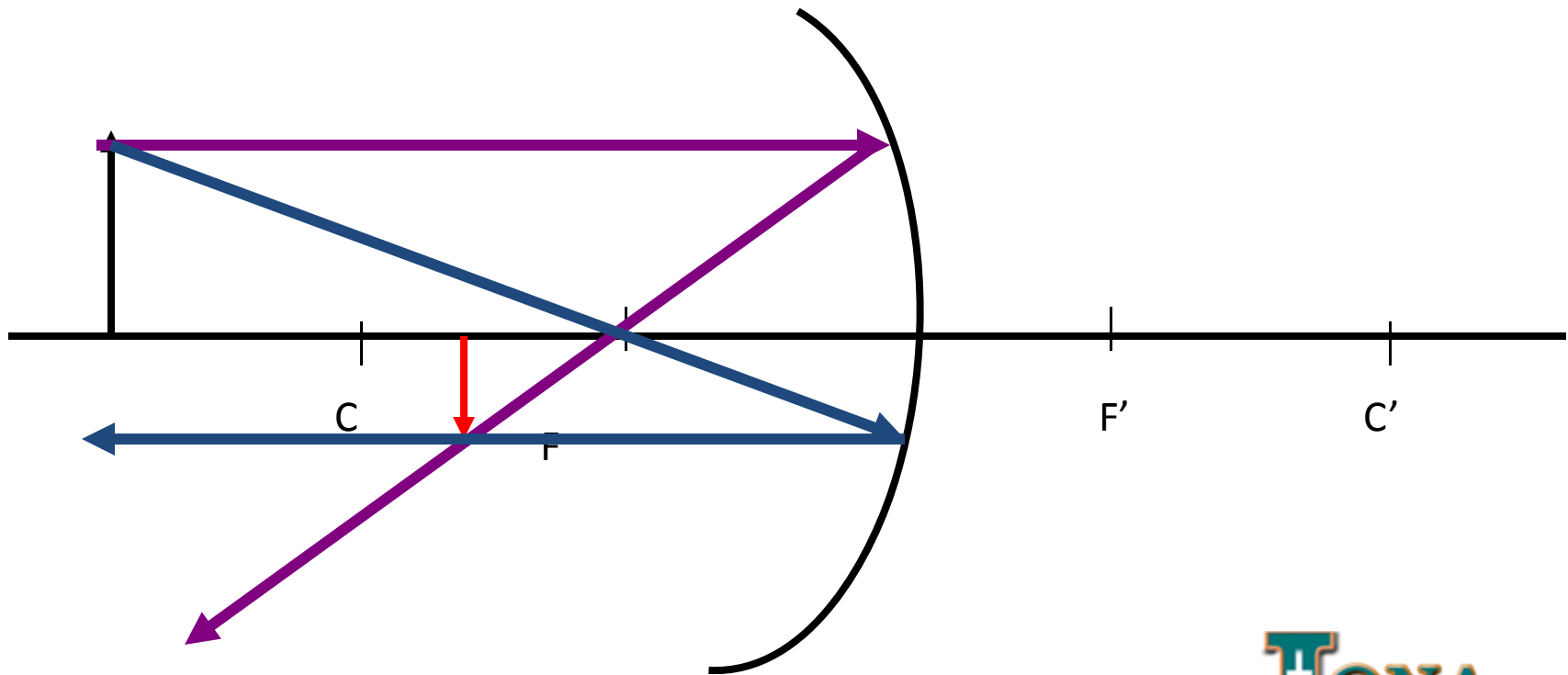
Mr. Dvorsky

Possible positions of object near a curved mirror



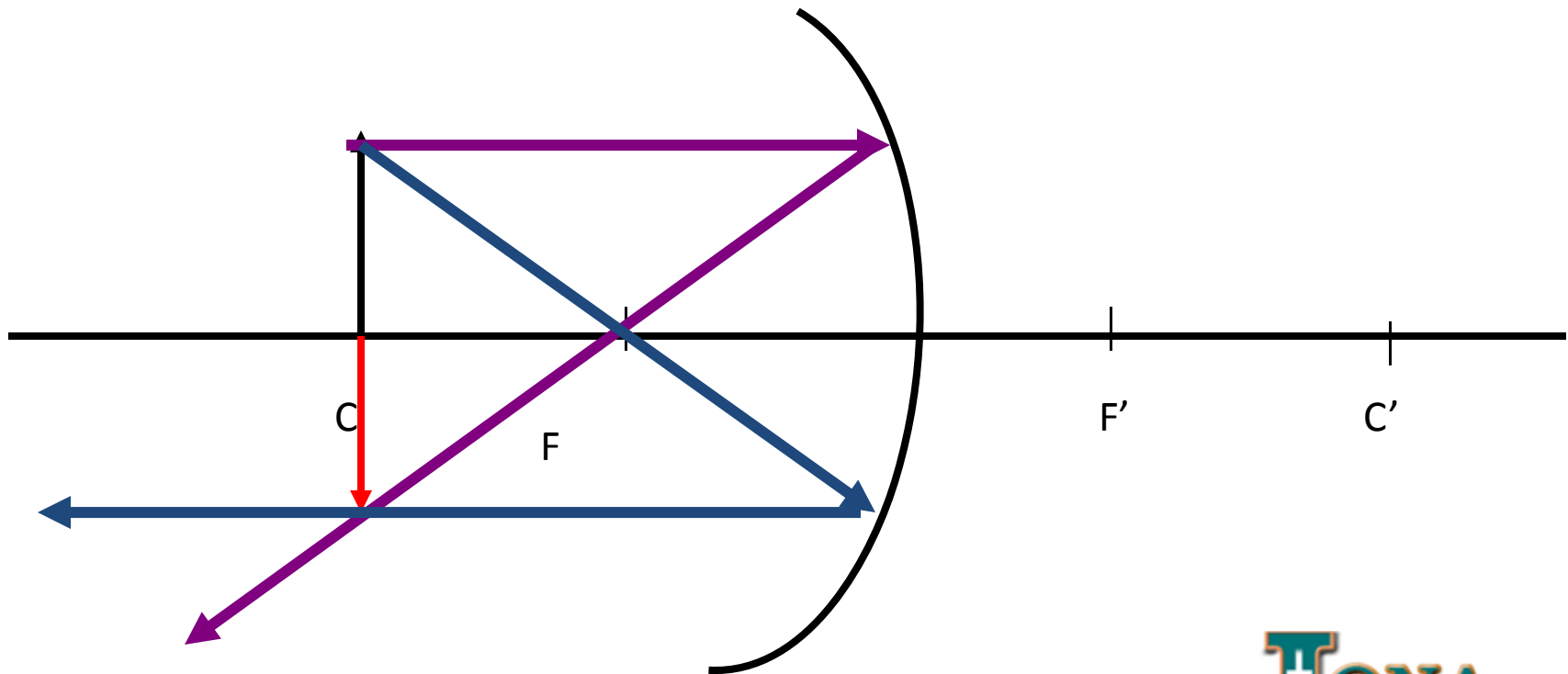
# RAY DIAGRAM CONVENTIONS

1. Object beyond C: real, smaller, inverted, between C and F



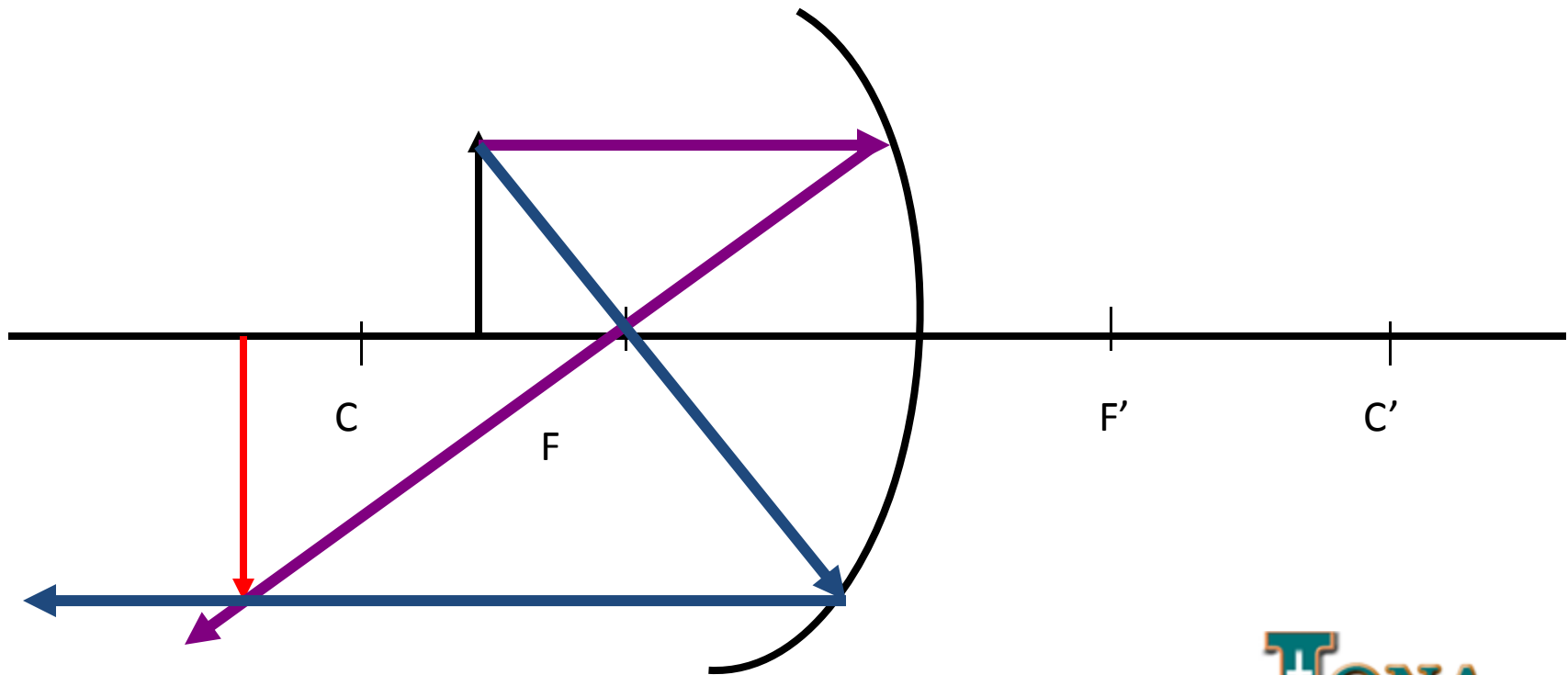
# RAY DIAGRAM CONVENTIONS

2. Object at C: real, inverted, same size, at C



# RAY DIAGRAM CONVENTIONS

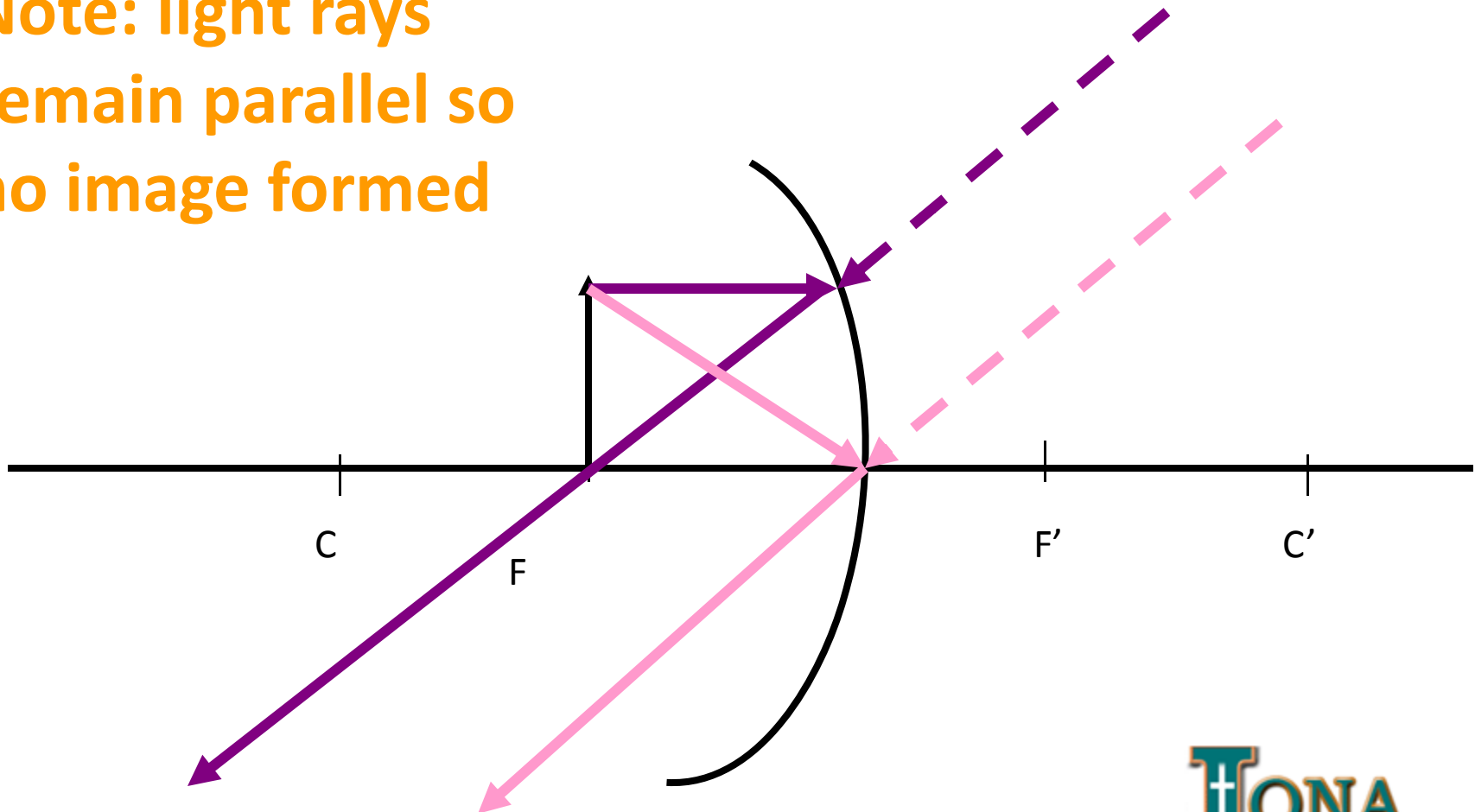
3. Object between F and C: real, inverted, larger, beyond C



# RAY DIAGRAM CONVENTIONS

## 4. Object at F: no image formed

**Note: light rays remain parallel so no image formed**



# RAY DIAGRAM CONVENTIONS

5. Object between F and V: virtual, not inverted, larger

