Image Matting

What is Image Matting?
- To separate the foreground from the image background, cutting out the foreground and paste it into a new background.
- Usage: Studio filming (weather forecast and such), Movie filming, Photoshopping (not shopping for photos).

Important things to know:
- The foreground colour of the image, F
- The opacity of the image, α
- These are the key components needed to separate the foreground image

Two Screen Matting
- \( C = (1 - α)B + αF \)
- Blue/green screen matting is included in this category
- This formula is used to calculate the middle area between the foreground and background.

Studio Green Screen
- Chroma Key
- Foreground will have to completely eliminated the green used in background.