

Midterm sample

A. MULTIPLE CHOICE

1. Of these parts of the electromagnetic spectrum, which is the median in wavelength:

- a. Mid-IR b. Red c. Thermal IR d. Green **e. Near IR**

2. Which of these 3-band combinations form the **best** colour composite in terms of total information content and contrast ?

- a. 1,2,3 b. 3,5,7 **c. 2,4,7** d. 2,3,4 e. 1,2,7

B. Explanation of terms and processes

1. Explain the difference between a Colour composite versus a pseudo-colour display

Colour composite displays 3 bands (channels) in RGB colour guns

Pseudo-colour displays one channel in a colour palette sequence

2. Linear stretch (enhancement)

expanding the range of digital numbers, which usually have a limited range of values, to fill the full 8-bit display options for a band/channel/composite