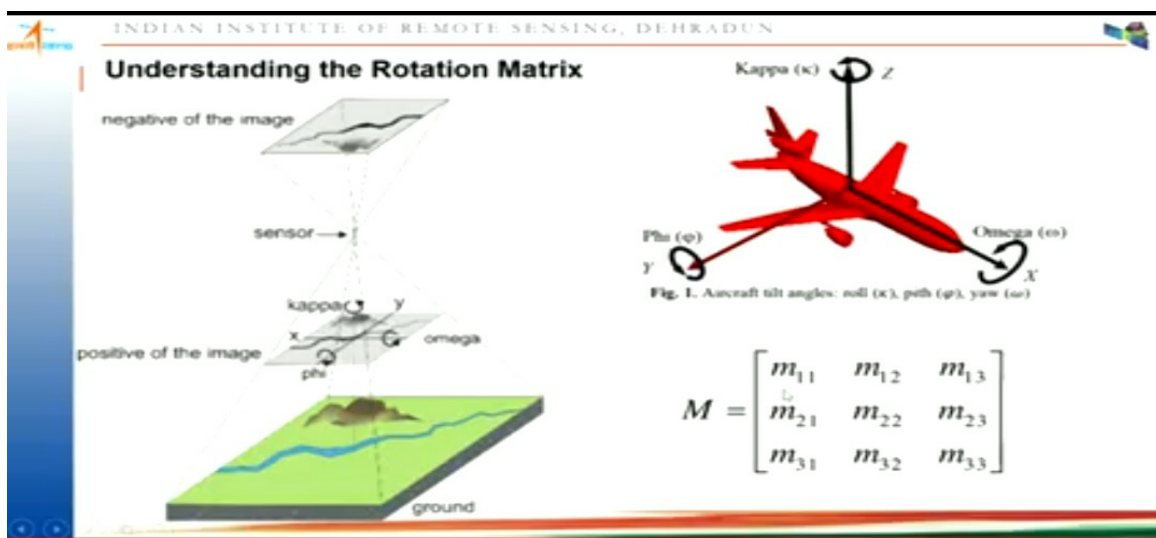


## NoDAILY ASSESSMENT FORMAT

Date:	30-06-2020	Name:	Abhishek
Course:	Satellite Photogrammetry and its Application	USN:	4al17ec001
Topic:	Introduction to Photogrammetry	Semester & Section:	6 & 'A'
Github Repository:	Abhishek-online-courses		

### SESSION DETAILS

#### Image of session



### 30 June 2020\_Concepts of Stereophotogrammetry by Dr. Poonam S. Tiwari

6,229 watching now



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## Report –

### Stereophotogrammetry

- A special case, called **stereophotogrammetry**, involves estimating the three-dimensional coordinates of points on an object employing measurements made in two or more photographic images taken from different positions (see stereoscopy).
- Common points are identified on each image.
- A line of sight (or ray) can be constructed from the camera location to the point on the object.
- It is the intersection of these rays (triangulation) that determines the three-dimensional location of the point.
- More sophisticated algorithms can exploit other information about the scene that is known a priori, for example symmetries, in some cases allowing reconstructions of 3D coordinates from only one camera position.
- Stereophotogrammetry is emerging as a robust non-contacting measurement technique to determine dynamic characteristics and mode shapes of non-rotating and rotating structures

