

# CSE 300: Online Assignment

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June 2021

## 1 Introduction

This assignment has been designed to assess the preparation of the students in writing scientific articles using L<sup>A</sup>T<sub>E</sub>X. This assignment covers a variety of components that are commonly used in scientific manuscripts.

### 1.1 Equations

Let  $a_0$ ,  $a_n$  and  $b_n$  are terms of a series. Their definitions are given by Eqn. 1.

$$\begin{aligned}a_0 &= \frac{1}{\pi} \int_{-\pi}^{\pi} f(x) dx \\a_n &= \frac{1}{\pi} \int_{-\pi}^{\pi} f(x) \cos nx dx = \frac{1}{\pi} \int_{-\pi}^{\pi} x^2 \cos nx dx \\b_n &= \frac{1}{\pi} \int_{-\pi}^{\pi} f(x) \sin nx dx = \frac{1}{\pi} \int_{-\pi}^{\pi} x^2 \sin nx dx\end{aligned}\tag{1}$$

### 1.2 Tables

We wish to place the Table at the bottom of the page.

### 1.3 Figures

We intend to put Figure 1 at the top of a page.

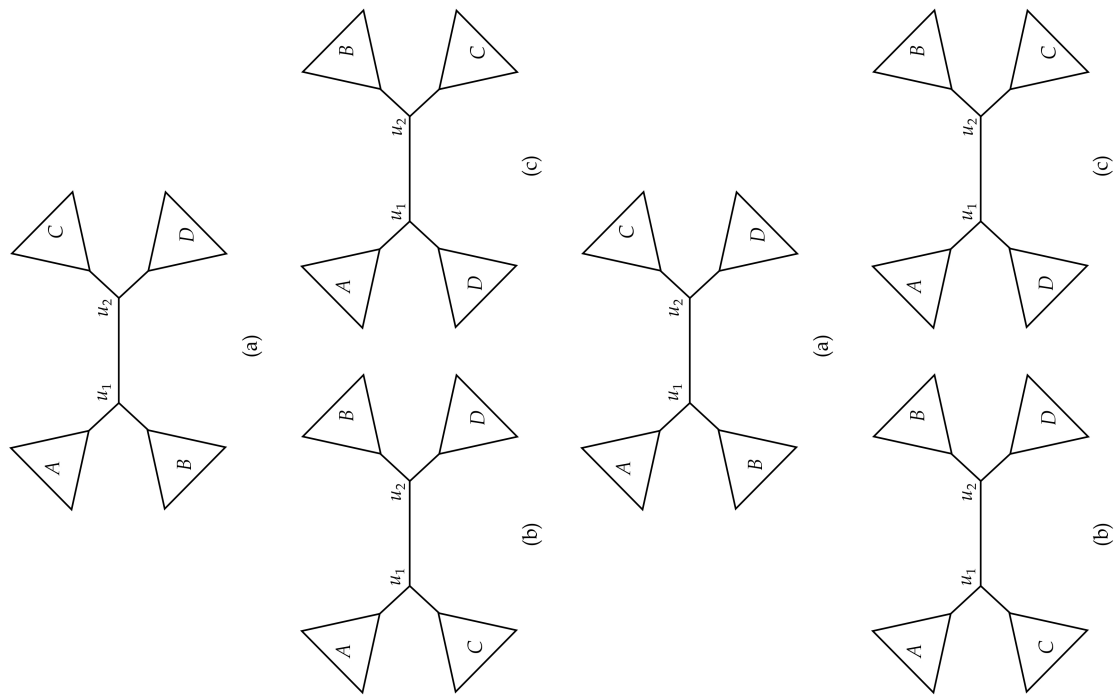


Figure 1: Side by side same figure

## 2 Conclusion

The major objectives of this assignment are listed below (please do not ignore the font sizes).

- To assess the ability of the students in preparing manuscripts in  $\text{\LaTeX}$ .
- To see if the students have adequately practiced different aspects of writing in  $\text{\LaTeX}$

Item List						
Item Name or Product Name	ALPHA 2 Code	ALPHA 3 Code	Numeric Code			
Item001	AF	AFG	004			
Item002	AX	ALA	008			
Item003	AL	ALB	009			
Item004	DZ	DZA	012	013	014	
Item005	AS	ASM	016			
Item006	AD	AND	010			
Item007	AO	AGO	024			

- To see if the students can add various basic components (e.g., tables, figures, equations) to a  $\text{\LaTeX}$  manuscript.
- To see if the students can leverage the available materials (both offline and online) to do something which has not explicitly been taught in the class.