

**Iowa State University**  
**Aerospace Engineering**

AER E 322 Lab 9

Introduction to Nondestructive Evaluation

Matthew Mehrtens, Peter Mikolitis, and Natsuki Oda

April 5, 2023

**Aerospace Structures Laboratory Report**  
**Lab 9 Introduction to Nondestructive Evaluation**

Section 4 Group 2

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**Spring 2023**

# Contents

<b>1</b>	<b>Pre-Lab</b>	<b>2</b>
1.1	Introduction . . . . .	2
1.2	Objectives . . . . .	2
1.3	Hypothesis . . . . .	2
<b>2</b>	<b>Lab Work</b>	<b>3</b>
2.1	Variables . . . . .	3
2.1.1	Independent Variables . . . . .	3
2.1.2	Dependent Variables . . . . .	3
2.2	Work Assignments . . . . .	3
2.3	Materials . . . . .	5
2.4	Apparatus . . . . .	5
2.5	Procedures . . . . .	5
2.5.1	Setup . . . . .	5
2.5.2	Cleanup . . . . .	5
2.6	Data . . . . .	5
<b>3</b>	<b>Conclusion</b>	<b>6</b>
3.1	Analysis . . . . .	6
3.2	Conclusion . . . . .	6

**Aerospace Structures Laboratory Report**  
**Lab 9 Introduction to Nondestructive Evaluation**

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# Chapter 1

## Pre-Lab

- 1.1. Introduction
- 1.2. Objectives
- 1.3. Hypothesis

**Aerospace Structures Laboratory Report**  
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---

## Chapter 2

## Lab Work

### 2.1. Variables

#### 2.1.1. Independent Variables

#### 2.1.2. Dependent Variables

### 2.2. Work Assignments

Refer to Table [2.1](#) for the distribution of work during this lab.

**Aerospace Structures Laboratory Report**  
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Table 2.1: Work assignments for AER E 322 Lab 9.

<b>Task</b>	<b>Matthew</b>	<b>Peter</b>	<b>Natsuki</b>
<i>Lab Work</i>			
Data Recording			
Exp. Setup			
Exp. Work			
Exp. Clean-Up			
<i>Post Lab</i>			
<i>Report</i>			
Introduction			
Objectives			
Hypothesis			
Variables			
Materials			
Apparatus			
Procedures			
Data			
Analysis			
Conclusion			
References			
Appendix			
Revisions			
Editing			

**Aerospace Structures Laboratory Report**  
**Lab 9 Introduction to Nondestructive Evaluation**

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**AER E 322**

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**Spring 2023**

---

## **2.3. Materials**

## **2.4. Apparatus**

## **2.5. Procedures**

### **2.5.1. Setup**

### **2.5.2. Cleanup**

## **2.6. Data**

**Aerospace Structures Laboratory Report**  
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**AER E 322**

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**Spring 2023**

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## Chapter 3

## Conclusion

### 3.1. Analysis

### 3.2. Conclusion