**Lab 1：Introduction**

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| **Introduction**  In this Lab, we learned how to use matlab to analysis the signals, and we will use matlab to write functions in the Discrete-time System and to explore the functions' property. And below are the requirements of this lab assignment:  1. Try to analysis the system's property.  2. Try to construct some input signal and use them to test the system's property.  **Lab results & Analysis**：  Problem 1.5      function y=diffeqn(a,x,yn1)  y=zeros(length(x));  y(1)=a\*yn1+x(1);  if length(x)>=2  for i=2:length(x)  y(i)=a\*y(i-1)+x(i);  end  end  end      **Note**: Please indicate meaning of the symbols in all expressions. Please indicate the coordinate and unit in all figures. | |
| **Experience**  You can write your experience with this project. Any comment and suggestion on this course are also very welcome. | |
| **Score** |  |

字体：英文Times new Roman；中文宋体，正文五号