

5. CONCLUSION

From the result and discussion in the previous chapter, it can be drawn that the conclusion of this study is as follows,

1. The airfoil model will experience flutter if subjected to the frequencies mention in **Table 4.6**, due to the resonance occurs at the model's natural frequencies,
2. Due to the error of the results from both the finite element method and Euler-Bernoulli Beam theory are below 10%, the value of the results from this study can be considered relatively true,
3. From the comparison in **Table 4.6**, it can be concluded that with more elements on the finite element method the accuracy of the result also increased.
4. The increasing number of elements will have little impact on the program's run-time.

