

Chapter 6

6 Conclusion

6.1 Conclusion

1. The purpose of this project was to enlighten students on how to calculate reinforcement bars in beams. From various opinions obtained, this was successful. However, further development is needed.
2. Calculating and analyzing reinforcement bars in beams is simplified by the use of flowcharts.
3. The purpose of a story board is to “sketch” out roughly what the flow of animation would be like and what the display should look like. However, sometimes during execution, a more practical and efficient flow is discovered and is used rather than follow the storyboard exactly.
4. Even though this program is to help students understand the process of design and analysis of reinforcements in concrete beams, basic knowledge of the mechanics and behaviors of concrete is required to support decision making.

6.2 Conjecture

1. The program should provide an interactive “calculator” to help students calculate the values of d and d' .