the Tenth Alexandria International Conference on Structural, Geotechnical Engineering and Management “AICSGE-10”

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INTRODUCTION

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Table 1. Comparison between experimental and predicted ultimate loads

|  |  |  |  |
| --- | --- | --- | --- |
| *Beam* | *Predicted*  *ultimate load (kN)* | *Experimental*  *ultimate load (kN)* | *Experimental*  *Predicted* |
| *B-1* | 445.0 | 483.5 | 1.08 |
| *B-2* | 367.8 | 403.8 | 1.09 |
| *B-3* | 487.7 | 529.1 | 1.08 |

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|  |
| --- |
|  |
| Figure 1. Load-central deflection relationship of specimens S4 to S8 |

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# SAMPLE MATHEMATICAL TEXT

The shear capacity of the beams was calculated using the formula specified in ACI Building Code, that is,

 (1)

where

 (2)

and

 (3)

in which *fpc* is the compressive stress in concrete at the centroid of cross-section, *bw* is the width of web, *dp* is the effective depth of tendons, *Vp* is the vertical component of prestressing force at section considered, and

 (4)

where

*Av* cross-sectional area of two legs of a closed link,

*fyv* yield strength of links,

*ds* effective depth of internal longitudinal reinforcement, and

*s* spacing of links.

# CONCLUSIONS

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# ACKNOWLEDGMENTS

This is where the authors may acknowledge the funding bodies and other collaborators.

# APPENDIX

You may insert an Appendix here and include equations which are numbered as, e.g., Eq. (A.5).

 (A.5)

# REFERENCES

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