

References

- Aboutaha, R., M. D. Engelhardt, et al. (1996). "Retrofit of Concrete Columns with Inadequate Lap Splices by the Use of Rectangular Steel Jackets." *Earthquake Spectra* 12(4): 693-714.
- Abrishami, H. H. and D. Mitchell (1996). "Analysis of Bond Stress Distributions in Pullout Specimens." *Journal of Structural Engineering* 122(3): 255-261.
- ACI318 (2005). ACI 318-05, Building Code Requirements for Structural Concrete and Commentary.
- ACI408.2R92 (1992). "State-of-the-art report on bond under cyclic loads." ACI Committee 408, American Concrete Institute.
- ACI-408.1R-90 "ACI Committee 408 (1990) Suggested development, splices, and standard hook provisions for deformed bars in tension." ACI 408.1R-90, American Concrete Institute, Detroit, MI, 3pp.
- ACI-408.2R92 ACI Committee 408-1992, State-of-the-art report on bond under cyclic loads.
- ACI-440.2R-02 ACI Committee 440 (2002) Guide for the design and construction of externally bonded FRP systems for strengthening concrete structures, , , American Concrete Institute, Det., MI.
- Alsawat, J. M. and M. Saatcioglu (1992). "Reinforcement Anchorage Slip under Monotonic Loading." *Journal of Structural Engineering* 118(9): 2421-2438.
- ATC-40., A. T. C. (1996). ATC-40. Seismic evaluation and retrofit of concrete buildings (vol 1).
- Ayoub, A. (2006). "Nonlinear Analysis of Reinforced Concrete Beam--Columns with Bond-Slip." *Journal of Engineering Mechanics* 132(11): 1177-1186.
- Azizinamini, A., S. M., et al. (1993). "Bond performance of reinforcing bars embedded in high-strength concrete." *ACI Struct. J* 90(5), September-October, pp. 554-561.
- Bamonte, P. F. and P. G. Gambarova (2007). "High-Bond Bars in NSC and HPC: Study on Size Effect and on the Local Bond Stress-Slip Law." *Journal of Structural Engineering* 133(2): 225-234.
- Bousias, S., A.-L. Spathis, et al. (2006). "Concrete or FRP Jacketing of Columns with Lap Splices for Seismic Rehabilitation." *Journal of Advanced Concrete Technology / Japan Concrete Institute* 4(3): 431-444.
- Carr, A. J. (2005). "RUAUMOKO Manual." The University of Canterbury, Department of Civil Engineering, Christ Church, New Zealand.

Chai, Y. H., M. J. N. Priestley, et al. (1991). "Flexural Retrofit of Circular Reinforced Concrete Bridge Columns by Steel Jacketing." Structural System Research Project, Report SSRP-91/06. University of California, San Diego: 151pp.

Cusson, D. and P. Paultre (1995). "Stress-Strain Model for Confined High-Strength Concrete." Journal of Structural Engineering 121(3): 468-477.

EIT (1991). Standard for Reinforced Concrete Buildings by Using Working Stress Design, The English Institute of Thailand under H.M. the King's Patronage, Bangkok, Thailand.

EIT (1995). Standard for Reinforced Concrete Buildings by Using Ultimate Strength Design, The English Institute of Thailand under H.M. the King's Patronage, Bangkok, Thailand.

EIT (1997). Standard for Reinforced Concrete Buildings by Using Ultimate Strength Design, The English Institute of Thailand under H.M. the King's Patronage, Bangkok, Thailand.

Eligehausen, R., E. P. Popov, et al. (1983). "Local bond stress-slip relationships of deformed bars under generalized excitations " Earthquake Engineering Research Center, University of California, Berkeley UCB/EERC-83/23, 1983-10, 169 pages (515/E45/1983).

Fardis, M. N. and H. Khalili (1981). "Concrete Encased in Fiberglass-Reinforced Plastic." ACI Materials Journal Volume: 78 Issue: 6 Pages: 440-446.

Giuriani, E., G. Plizzari, et al. (1991). "Role of Stirrups and Residual Tensile Strength of Cracked Concrete on Bond." Journal of Structural Engineering 117(1): 1-18.

Harajli, M. H. (2006). "Axial stress-strain relationship for FRP confined circular and rectangular concrete columns." Cement and Concrete Composites 28(10): 938-948.

Harajli, M. H. (2006). "Effect of confinement using steel, FRC, or FRP on the bond stress-slip response of steel bars under cyclic loading." Materials and Structures 39: 621-634.

Harajli, M. H. (2008). "Seismic Behavior of RC Columns with Bond-Critical Regions: Criteria for Bond Strengthening Using External FRP Jackets." Journal of Composites for Construction 12(1): 69-79.

Harajli, M. H. (2009). "Bond strengthening of lap spliced reinforcement using external FRP jackets: An effective technique for seismic retrofit of rectangular or circular RC columns." Construction and Building Materials 23(3): 1265-1278.

Harajli, M. H. and F. Dagher (2008). "Seismic Strengthening of Bond-Critical Regions in Rectangular Reinforced Concrete Columns Using Fiber-Reinforced Polymer Wraps." ACI Structural Journal 105(1): 68-77.

Harajli, M. H., E. Hantouche, et al. (2006). "Stress-Strain Model for Fiber-Reinforced Polymer Jacketed Concrete Columns." ACI Structural Journal 103(5): 672-682.

Harajli, M. H. and Z. Khalil (2008). "Seismic FRP Retrofit of Bond-Critical Regions in Circular RC Columns: Validation of Proposed Design Methods." *ACI Structural Journal* Volume: 105 Issue: 6 Pages: 760-769.

Harajli, M. H. and A. A. Rteil (2004). "Effect of Confinement Using Fiber-Reinforced Polymer or Fiber-Reinforced Concrete on Seismic Performance of Gravity Load-Designed Columns." *ACI Structural Journal* 101(1).

Haroun, M. A. and H. M. Elsanadedy (2005). "Fiber-Reinforced Plastic Jackets for Ductility Enhancement of Reinforced Concrete Bridge Columns with Poor Lap-Splice Detailing." *Journal of Bridge Engineering* 10(6): 749-757.

Harries, K., J. Ricles, et al. (2006). "Seismic Retrofit of Lap Splices in Nonductile Columns Using CFRP Jackets." *ACI Structural Journal* 103(6): 226-236.

Hognestad, E. (1951). "Study of combined bending and axial load in reinforced concrete members." University of Illinois at Urbana Champaign, College of Engineering. Engineering Experiment Station. University of Illinois. Engineering Experiment Station. Bulletin ; no. 399.

Huyen, T. D. (2001). Seismic Observation of Vietnam. APEC Workshop on Dissemination of Disaster Mitigation Technologies for Humanistic Concerns Phases I: Earthquake disaster, Taipei, Taiwan. June 18-21, 2001.

K. Miyauchi, S. I., T. Kuroda, et al. (1999). "Strengthening effects with carbon fiber sheet for concrete column." *Proc Jpn Concr Inst* 21 (1999) (3), pp. 1453-1458

Kankam, C. K. (1997). "Relationship of Bond Stress, Steel Stress, and Slip in Reinforced Concrete." *Journal of Structural Engineering* 123(1): 79-85.

Karbhari, V. M. and Y. Gao (1997). "Composite Jacketed Concrete under Uniaxial Compression---Verification of Simple Design Equations." *Journal of Materials in Civil Engineering* 9(4): 185-193.

Lam, L. and J. G. Teng (2002). "Strength Models for Fiber-Reinforced Plastic-Confined Concrete." *Journal of Structural Engineering* 128(5): 612-623.

Lam, L. and J. G. Teng (2003). "Design-oriented stress-strain model for FRP-confined concrete." *Construction and Building Materials* 17(6-7): 471-489.

Lam, L. and J. G. Teng (2009). "Stress-strain model for FRP-confined concrete under cyclic axial compression." *Engineering Structures* 31(2): 308-321.

Lam, L., J. G. Teng, et al. (2006). "FRP-confined concrete under axial cyclic compression." *Cement and Concrete Composites* 28(10): 949-958.

Lao, L. F. (1990). The Effect of Detailing on Seismic Performance of Gravity Load Dominated Reinforced Concrete Frames. New York, State University of New York at Buffalo. Msc.

Lehman, D. E. and J. P. Moehle (2000). "Seismic Performance of Well-confined Concrete Bridge Columns." Pacific Earthquake Engineering Research Center, University of California, Berkeley. 316 pages PEER-1998/01.

Lowes, L. N., N. Mitra, et al. (2003). "A Beam-Column Joint Model for Simulating the Earthquake Response of Reinforced Concrete Frames." Pacific Earthquake Engineering Research Center PEER 2003/10.

Ma, R., Y. Xiao, et al. (2000). "Full-scale testing of a parking structure column retrofitted with carbon fiber reinforced composites." Construction and Building Materials 14(2): 63-71.

Maalej, M., S. Tanwongval, et al. (2003). "Modelling of rectangular RC columns strengthened with FRP." Cement and Concrete Composites 25(2): 263-276.

Mander, J. B., M. J. N. Priestley, et al. (1988). "Theoretical Stress-Strain Model for Confined Concrete." ASCE, Journal of Structural Engineering Vol. 114, No. 8, August 1988, pp. 1804-1826

Matrin, S. (2007). Nonlinear modeling of gravity load designed reinforced concrete buildings for seismic performance evaluation. Civil Engineering Department. Bangkok, Thailand, Asian Institute of Technology. Msc degree 103.

Melek, M., J. W. Wallace, et al. (2003). "Experimental Assessment of Columns with Short Lap-Splice Subjected to Cyclic Loads." PEER Report 2003/04, Pacific Earthquake Engineering Research Center, University of California, Berkeley.

Moehle, J. P., K. J. Elwood, et al. (2000). "The Second U.S.-Japan Workshop on Performance-Based Earthquake Engineering Methodology for Reinforced Concrete Building Structures " Pacific Earthquake Engineering Research Center (PEER) 2000(10).

Oh, B. H. and S. H. Kim (2007). "Realistic Models for Local Bond Stress-Slip of Reinforced Concrete under Repeated Loading." Journal of Structural Engineering 133(2): 216-224.

Orangun, C., J. Jirsa, et al. (1975). "Strength of anchored bars: a reevaluation of test data on development length and splices." University of Texas at Austin: Center for Highway Research Research report no. 154-3F1975.: [p. 78].

Orangun, C., J. Jirsa, et al. (1977). "Reevaluation of test data on development length and splices. ." ACI J Proc 74(3):114-22.

Orangun, C. O., J. O. Jirsa, et al. (1975). "The Strength of Anchor Bars: A Reevaluation of Test Data on Development Length and splices." University of Texas at Austin. Center for Transportation Research CTR 154-3F.

Park, R. and T. Paulay (1975). Reinforced Concrete Structures, A Wiley-Interscience Publication. John Wiley & Son, INC.

Pauley, T. and M. J. N. Priestley (1992). Seismic Design of Reinforced Concrete and Masonry Buildings, John Wiley and Sons, New York.

Phatiwet, P. (2002). Seismic Evaluation of Beam-Column Frame Buildings with Nonductile Reinforcement Details. Structural Department. Bangkok, Thailand, Asian Institute of Technology. MsE: 114pp.

Richart, F. E., A. Brandtzæg, et al. (1928). "A study of the failure of concrete under combined compressive stresses." University of Illinois at Urbana Champaign, College of Engineering. Engineering Experiment Station University of Illinois (Urbana-Champaign Campus). Engineering Experiment Station. Bulletin no. 185, University of Illinois bulletin, v. 26, no. 12.

Richart, F. E., A. Brandtzæg, et al. (1929). "Failure of plain and spirally reinforced concrete in compression." University of Illinois at Urbana Champaign, College of Engineering. Engineering Experiment Station University of Illinois. Engineering Experiment Station. Bulletin ; no. 190.

Roy, H. E. H. and M. A. Sozen (1965). "Ductility of Concrete." American Concrete Institute 12: 213-235.

Saafi, M., H. Toutanji, et al. (1999). "Behavior of Concrete Columns Confined with Fiber Reinforced Polymer Tubes." ACI Materials Journal Volume: 96 Issue: 4 Pages: 500-509.

Saatcioglu, M., J. M. Alsiwat, et al. (1992). "Hysteretic Behavior of Anchorage Slip in R/C Members." Journal of Structural Engineering 118(9): 2439-2458.

Saatcioglu, M. and S. R. Razvi (1992). "Strength and Ductility of Confined Concrete." Journal of Structural Engineering 118(6): 1590-1607.

Samaan, M., A. Mirmiran, et al. (1998). "Model of Concrete Confined by Fiber Composites." Journal of Structural Engineering 124(9): 1025-1031.

Sause, R., K. A. Harries, et al. (2004). "Flexural Behavior of Concrete Columns Retrofitted with Carbon Fiber-Reinforced Polymer Jackets." ACI Structural Journal Volume: 101 Issue: 5 Pages: 708-716.

Sezen, H. (2000). Seismic Behavior and Modeling of Reinforced Concrete Building Columns, University of California, Berkeley. Msc.

Sezen, H. and J. P. Moehle (2003). Bond-Slip Behavior of Reinforced Concrete Members. fib - Symposium (CEB-FIP). Concrete Structures in Seismic Regions, Athens, Greece.

Sheikh, S. A. and Y. Li (2007). "Design of FRP confinement for square concrete columns." Engineering Structures 29(6): 1074-1083.

Sheikh, S. A. and S. M. Uzumeri (1980). "Strength and Ductility of Tied Concrete Columns." ASCE, Journal of the Structural Division Vol. 106, No. 5, May 1980, pp. 1079-1102.

Sheikh, S. A. and S. M. Uzumeri (1982). "Analytical Model for Concrete Confinement in Tied Columns." ASCE, Journal of the Structural Division Vol. 108, No. 12, December 1982, pp. 2703-2722

Shima, H., L. L. Chou, et al. (1987). "Bond Characteristics in Post-Yield Range of Deformed Bars." Concrete Library of JSCE 10 113-124.

Spoelstra, M. R. and G. Monti (1999). "FRP-Confined Concrete Model." Journal of Composites for Construction 3(3): 143-150.

Teng, J. G., J. F. Chen, et al. (2002). FRP-strengthened RC structures, John Wiley & Son, Ltd.

Thin, D. T. (2003). Seismic Performance of Reinforced Concrete Beam-Column Subassemblages without Seismic Detailing. Structural department. Bangkok, Thailand, School of Civil Engineering, Asian Institute of Technology. MsE: 105pp.

Toutanji, H. (1999). "Stress-Strain Characteristics of Concrete Columns Externally Confined with Advanced Fiber Composite Sheets." ACI Materials Journal Volume: 96 Issue: 3 Pages: 397-404

Warnitchai, P. and A. Lisatono (1996). Probabilistic Risk Mapping in Thailand. Proc. 10th World Conference on Earthquake Engineering, Acapulco, Mexico.

Xiao, Y. and R. Ma (1997). "Seismic Retrofit of RC Circular Columns Using Prefabricated Composite Jacketing." Journal of Structural Engineering 123(10): 1357-1364.