

REFERENCES BIBLIOGRAPHIQUES

- ACI 318.**, “Building Code Requirements for Structural Concrete and commentary (ACI 318R-14)”, American Concrete Institute, Farmington Hills USA, 2014.
- Al-Haddad. M. S.**, “Curvature ductility of reinforced concrete beams under low and high strain rates”, *ACI structural journal*, pp. 526-534, Oct 1995.
- Amr. S. E. et Luigi. D. A.**, “Fundamentals of earthquake engineering”, *John Wiley and Sons*, New York, 2008.
- Arslan. G. et Ercan. C.**, “Curvature ductility prediction of reinforced high strength concrete beam sections”, *J. of Civil Engineering and Management*, Vol. 16 (4), pp. 462-470, 2010.
- Attard. M. M. et Setunge. S.**, “Stress-strain relationship of confined and unconfined Concrete”, *ACI Materials Journal*, Vol. 93 (5), Title n° 93M49, pp. 432-442, September-October 1996.
- Bertero. V.V.**, “State of the art report –Ductility based structural design”, *Proceedings of Ninth world conf. earthquake eng.*, Vol. 3, pp. 673-686, Tokyo, Japon, 1988.
- B. Bousalem, N. Djebbar, N. Chikh**, “Concept de Demande de Ductilité et de Longueur Plastique dans la Performance des Portiques en Béton“, 2^{ème} Séminaire National de Génie Civil et de l’Habitat, Université de Constantine, Mai 1999.
- Bouزيد, H. et Kassoul, A.**, “Curvature ductility of high strength concrete beams according to Eurocode 2”, *Structural Engineering and Mechanics*, Vol. 58 (1), pp. 1-19, 2016.
- Bouزيد, H. et Kassoul, A.**, “Ductilité dans les poutres en béton à haute résistance”, *Editions Universitaires Européennes*, Allemagne, 2017.
- CEB-FIP MODEL CODE**, “Design Code”, Comité Euro-International du béton, 1990.
- CAN3-A23.3-04.**, “Design of concrete structures”, Canadian Standards Association, Ontario Canada, Décembre 2004.
- Cusson, D., and Paultre, P.**, “ Stress-Strain model for Confined High-strength concrete” *Journal of Structural Engineering*, Vol. 120 (3), pp. 468–477. 1995.
- Debernardi, P.G. et Taliano, M.**, “On evaluation of rotation capacity for reinforced concrete beams”, *ACI Structural Journal*, Vol. 99, No. 3, pp. 360–368, 2002.
- EN 1992-1-1.**, “Design of concrete structures - Part 1-1: General rules and rules for buildings”, Eurocode 2, Brussels, 2004.
- EN 1998–1.**, “Design of structures for earthquake resistance Part 1: General rules, seismic actions and rules for buildings”, Eurocode 8, Brussels, 2003.

- Fafitis, A., and Shah, S. P.**, “Lateral Reinforcement for High-Strength Concrete Columns,” *American Concrete Institute*, Detroit, SP-87, pp. 213-232, 1986.
- Gioncu. V.**, “Ductility criteria for steel structures”, *2nd World Conference on Steel in Construction*, San Sebastian, 11-13 May 1998.
- Gioncu. V.**, “Framed structures. Ductility and seismic response”, *Journal of Constructional Steel Research*, vol. 55, pp. 125-154, 2000.
- Gioncu. V. et Mazzolani. F.M.**, “Ductility of Seismic Resistant Steel Structures”, 2002.
- Gioncu. V., Mazzolani F.M. et Akiyama. H.**, “Ductility demands. General report. In behaviour of steel structures in seismic areas”, *STESSA 97*, Kyoto, August 1997.
- Hachemi. R.**, “Etude de la Ductilité de Déplacement des Poteaux en Béton Armé”, mémoire de magistère, Université Mentouri Constantine, Algérie, 2003/2004.
- Kassoul. A.**, DUCTILITE DANS LES STRUCTURES EN BETON ARME – Aspects qualitative et évaluation de la ductilité locale, livre, éditions Presse Académiques Francophones (PAF), 2015.
- Kent, D.C., et Park, R.**, “Flexural Members with Confined Concrete”, *Journal of the Structural Division, ASCE*, Vol. 97, No. ST7, pp. 1969-1990, July 1971.
- Lee, H.J.**, “Evaluation on moment-curvature relations and curvature ductility factor of reinforced concrete beams with high strength materials”, *Journal of the Korea Concrete Institut*, Vol. 25 (3), pp. 283-294, 2013.
- Lee. T. K., et Pan. A.D.E.**, “Estimating the relationship between tension reinforcement and ductility of reinforced concrete beam sections”., *Engineering Structures*, Vol. 25, pp. 1057–1067. 2003.
- Légeron. F. et Paultre, P.**, “Uniaxial Confinement Model for Normal- and High-Strength Concrete Columns” *Journal of Structural Engineering*, Vol. 129 (2), pp. 241–252. 2003.
- Lin, C.H. et Lee, F.S.**, “Ductility of high-performance concrete beams with high-strength lateral reinforcement”, *ACI Structural Journal*, Vol. 98, No. 4, pp. 600–608, 2001.
- Maghsoudi. A. A. et Bengar. H.A.**, “Flexural ductility of HSC members”, *Structural Engineering and Mechanics*, Vol. 24 (2), pp. 195-212, 2006.
- Maghsoudi. A. A. et Sharifi. Y.**, “Ductility of high strength concrete heavily steel reinforced members”, *Scientia Iranica Transaction A : Civil Engineering*, Vol. 16 (4), pp. 297-307, 2009.

- MacGREGOR J. G.**, “Ductility of structural elements”, *Handbook of concrete engineering*, s.l. :Mac Graw Hill, pp. 229-247, 1974.
- Mander, J.B.; Priestly, M.J.N.; et Park, R.**, “Theoretical Stress-Strain Model for Confined Concrete”, *Journal of the Structural Division, ASCE*, Vol. 114, No. 8, pp. 1804-1826, 1988.
- Menetrey, P., and Willam, K.**, “Triaxial Failure Criterion for Concrete and its Generalization,” *ACI Structural Journal*, Vol 92, (3), pp. 311-318, 1995.
- Nakamura. H., Niwa. J. et Tanabe. T.**, “An analytical evaluation of the ductility of reinforced concrete members”, *Proceedings Of The Tenth World Conference On Earthquake Engineering*, Madrid, Spain, pp. 4343-4348, 1992.
- NTC.**, Norme Tecnica per le Costruzioni. S.O. n. 30 of G.U. 04/02/2008 n. 29, In Italian, 14/01/2008.
- NZS 3101.**, “Concrete structures standard, part 1- the design of concrete structures and part 2 commentary on the design of concrete structures”, Standards Association of New Zealand, Wellington, New Zealand, 2006.
- Pam. H. J., Kwan. A. K. H., et Ho, J. C. M.**, “Post-Peak behavior and flexural ductility of doubly reinforced high- strength concrete beams”, *Structural Engineering and Mechanics*, Vol. 12 (5), pp. 459-474, 2001b.
- Park. R.**, “Evaluation of ductility structures and structural assemblages from laboratory testing”, *Bulletin of the New Zeland National Society for Earthquake Engineering*, Vol. 22 (3), pp. 155-165, 1989.
- Park. R.**, “Capacity Design of RC Building Structures for Earthquake Resistance”, *The structural Engineer*, Aug. 1992.
- Park. R. et Paulay. P.**, “Reinforced Concrete Structures”, *John Wiley and Sons*, New York, 1975.
- Park. R. et Ruitong. D.**, “Ductility of doubly reinforced beam sections”, *ACI Structural Journal*, Title No 85-S24, pp. 217-225, 1988.
- Paultre. P.**, “Structures en béton armé. Analyse et dimensionnement”, Polytechnique Montréal, Canada, 2011.
- Paultre, P. et Légeron. F.**, “Confinement Reinforcement Design for Reinforced Concrete Columns” *Journal of Structural Engineering*, Vol. 134 (5), pp. 738–749. 2008.
- Pecce, M. et Fabbrocino, G.**, “Plastic rotation capacity of beams in normal and high performance concrete”, *ACI Structural Journal*, Vol. 96, No. 2, pp. 290–296, 1999.

- Piscesa. B., Attard. M. M., Samani. A. K. et S. Tangaramvong.**, “Plasticity Constitutive Model for Stress-Strain Relationship of Confined Concrete”, *ACI Structural Journal*, Vol. 114 (2), pp. 361–371, 2017.
- Popovics, S.**, “A Review of Stress-Strain Curve of Concrete,” *Cement and Concrete Research*, Vol. 3 (4), pp. 583-599, 1973.
- Rashid, M. A. et Mansur, M. A.** “Reinforced high-strength concrete beams in flexure”, *ACI Structural Journal*, Vol. **102** (3), pp. 462-471, 2005.
- RPA-99/v2003.**, “Règles parasismiques Algériennes 1999 - Version 2003”, *DTR-BC 248-CGS*, Alger, 2003.
- Sebai. K.**, “Quantification de la ductilité des constructions autos-stables en béton armé dimensionnées selon le règlement parasismique Algérien RPA 99/V-2003”, Université Hassiba Benbouali de Chlef, 2012.
- Samani, A., and Attard, M.**, “A Stress-Strain Model for Uniaxial and Confined Concrete under Compression,” *Engineering Structures*, Vol. 41, pp. 335-349, 2012.
- Sargin, M.**, “Stress-Strain Relationship for Concrete and the Analysis of Structural Concrete Sections,” *Solid Mechanics Division*, University of Waterloo, Ontario, *Study No. 4*, pp. 167, 1971.
- Scott. B. D., Park. R. et Priestley. M. J. N.**, “Stress-Strain Behavior of Concrete Confined by Overlapping Hoops at Low and High Strain Rates”, *ACI Journal*, Vol. 79, No. 2, pp. 13–27, 1982.
- Sheikh, S.A.; et Uzumeri, S.M.**, “Analytical Model for Concrete Confinement in Tied Columns”, *ASCE, Journal of the Structural Division*, pp. 2703-2722, Décembre 1982.
- Srikanth, M., Rajesh K. G. et Giri. S.**, “ Moment Curvature of Reinforced Concrete Beams Using Various Confinement Models and Experimental Validation”, *Asian Journal of Civil Engineering (Building and Housing)*, Vol. 8 (3), pp. 247-265, 2007.
- TEC.**, “Specification for structures to be built in disaster areas”, Turkish Earthquake Code, 2007.
- TS-500.**, “Requirements for design and construction of reinforced concrete structures”, Turkish Standards, Turkey, février 2000.
- UFC 3-340-02.**, “Unified Facilities Criteria”, U.S. Department of Defense, 2008.
- Ziara. M. M. Haldane. D. et Kuttub. A. S.**, “Flexural behavior of beams with confinement”, *ACI structural journal*, Vol. 92 (1), pp. 103-114, 1995.