

CHAPTER 9

LIST OF REFERENCES

- Abbas, A.A., Pavlovic, M.N., and Kotsovos, M.D., 2004. Permissible Design of Ground-floor Slabs. Proceedings of the Institution of Civil Engineers, Structure & Buildings 157. PP 385-393.
- Addis, B.J., 1986. Fulton's Concrete Technology. Portland Cement Institute, Midrand / South Africa, 6th edition.
- Alena, K., Kristek, V., and Broukalova, I., 2004. Material Model of FRC - Inverse Analysis. Proceedings of the 6th International RILEM Symposium, Varrena / Italy. PP 857-864.
- Alexander, M.G., 1982. A Simple Bending Test for Elastic and Rupture Moduli for Plain Concrete and Mortar, Concrete / Beton, South Africa, V. 92, No. 27. PP 18-24.
- Alsayed, S.H., 1993. Flexural Deflection of Reinforced Fibrous Concrete Beams. American Concrete Institute, Structural Journal, V. 90, No. 1. PP 72-76.
- American Concrete Institute Committee 523, 2000. Guide for Cast-in-Place Low Density Concrete. ACI Manual of Concrete Practice: Part 5. ACI 523. IR-92. 8P.
- American Standards, 1992. Test for Static Modulus of Elasticity and Poisson's Ratio of Concrete in Compression. ASTM C 469-87a.
- American Standards, 1997. Standard Test Method for Flexural Toughness and First-Crack Strength of Fiber-Reinforced Concrete (Using Beam with Third-Point Loading). ASTM C 1018-97.
- American Standards, 2004. Standard Test Method for Repetitive Static Plate Load Tests of Soils and Flexible Pavement Components, for Use in Evaluation and Design of Airport and Highway Pavement. ASTM D 1195-64.
- Association of Concrete Industrial Flooring Contractors, 1999. Steel Fibre Reinforced Concrete Industrial Ground Floor: An Introductory Guide. Concrete ACIFC, V. 33, No. 10, United Kingdom. 12 PP.

Banthia, N., Chokri, K., and Trottier, J.F., 1995. Impact Tests on Cement-Based Fiber Reinforced Composites. Publications of the American Concrete Institute, SP.155-9, Detroit / United States of America. PP 171-188.

Barros, J.A.O., and Figueras, J.A., 2001. Model for the Analysis of Steel Fibre Reinforced Concrete Slabs on Grade. Journal of Computers & structures (79). PP 97-106.

Bazant, Z.P., 1976. Instability, Ductility and Size Effect in Strain-softening Concrete. Journal of Engineering Mechanics Division, ASCE, V. 102, No. EM2. PP 331-344.

Bazant, Z.P., and Oh, B.H., 1993. Crack Band Theory for Fracture of Concrete. Journal of Materials and Structures, RILEM 16 (93). PP 155-177.

Beckett, D., 1990. Comparative Tests on Plain, Fabric Reinforced and Steel Fibre Reinforced Concrete Ground Slabs. Concrete, V. 24, No. 3. PP 43-45.

Beckett, D., 1999. Corner and Edge Loading on Concrete Industrial Ground Floors Reinforced with Steel Fibres. Concrete, V. 33, No. 3. PP 22-24.

Beckett, D., 2000. Concrete Industrial Ground Slabs. Proceedings of Design Applications of Raft Foundations, ISBN 0727727656. PP 1-38.

Bekaert, 1999. Steel Fibers for the Pre-cast Industry. Bekaert NV. Dramix Technical Pamphlet.

Bekaert, 2001. Steel Fibre Reinforced Industrial Floors: Design In Accordance with the Concrete Society TR34. Bekaert NV. Dramix manual.

Bischoff, P.H., Valsangkar, A.J., and Irving, J.A., 1996. Experimental Study of Concrete Floor Slabs on Grade. Proceedings of the Canadian Society for Civil Engineering Annual Conference, V. IIa, Montreal / Canada. PP 273-282.

Bischoff, P.H., Valsangkar, A.J., and Irving, J., 2003. Use of Fibres and Welded-Wire Reinforcement in Construction of Slabs on Ground. Practice Periodical on Structural Design and Construction, V. 8, No. 1, ASCE, ISSN 1084-0680. PP 41-46.

Burgess, I.C., 1992. Steel Fibre reinforced Concrete: A Viable Pavement Material. Proceedings of the Symposium of Exploiting the Innovative Potential of Concrete, Concrete Society of Southern Africa, Johannesburg / South Africa. 15P.

Buyukozturk, O., 1977. Nonlinear Analysis of Reinforced Concrete Structures, Computers and Structures 7. PP 149-156.

Canadian Portland Cement Association, 1999. Thickness Design for Concrete Highway and Street Pavements. Canadian edition / metric, Ottawa / Canada: The Association (EB 209.03P).

Cerioni, R., and Mingardi, L., 1996. Non-linear Analysis of Reinforced Concrete Foundation Plate. Computers & Structures, V. 61, No. 1. PP 87-106.

Chen, W.F., 1982. Plasticity in Reinforced Concrete. McGraw-Hill, New York / United States of America, 1st edition.

Chen, L., Mindess, S., Morgan, S.R., Shah, S.P., Johnston, C.D., and Pigeon, M., 1995. Comparative Toughness Testing of Fibre Reinforced Concrete. Publication of the American Concrete Institute, Detroit / United States of America, SP 155-3. PP 41-75.

Chen, S., 2004. Strength of Steel Fibre Reinforced Concrete Ground Slabs. Proceedings of the Institution of Civil Engineers, Structures & Buildings 157, Issue SB2. PP 157-163.

Chern, J-C., Yang, H-J., and Chen, H-W., 1992. Behaviour of Steel Fibre Reinforced Concrete in Multiaxial Loading. American Concrete Institute, Material Journal, V. 89, No.1. PP 32-40.

Coetzee, C.H., and van der Walt, N., 1990. The Potential of Thinner Concrete Pavements: Evidence from Accelerated Testing. Proceedings the 6th International Symposium on Concrete Roads, Madrid / Spain. PP 21-32.

Cook, R.D., Malkus, D.S., Plesha, M.E., and Witt, R.J., 2002. Concepts and Applications of Finite Element Analysis. John Wiley and Sons, ISBN 0-471-35605-0.

Cope, R.J., Rao, P.V., Clark, L.A., and Norris, P., 1980. Modelling of Reinforced Concrete Behaviour for Finite Element Analysis of Bridge Slabs. Numerical Methods for Nonlinear Problems, 1st edition. Pineridge Press, Swansea V. 1, PP 457-470.

de Borst, R., Nauta, P. 1985. Non-orthogonal Cracks in a Smeared Finite Element Model. *Engineering Computations* (2). PP. 35-46.

Dupont, D. and Vandewalle, L., 2003. Modelling SFRC with a Stress-strain Approach. *Proceedings of the International Symposium: Role of Concrete in Sustainable Development, Dundee / Scotland*. PP 103-112.

Edgington, J., Hannant, D.J., and Williams, R.I.T., 1974. *Steel Fibre Reinforced Concrete*. Current Paper No. CP69 / 74, Building Research Establishment, Garston, Watford.

Elsaigh, W.A., 2001. *Steel Fibre Reinforced Concrete Ground Slabs*. M.Eng. Dissertation, University of Pretoria / South Africa.

Elsaigh, W.A., and Kearsley, E.P., 2002. Effect of Steel Fibre Content on Properties of Concrete. *Journal of Concrete / Beton* , No.102 ,Midrand / South Africa. PP 8-12.

Elsaigh, W.A., Robberts, J.M., and Kearsley, E.P., 2004. Modelling Non-linear Behaviour of Steel Fibre Reinforced Concrete. *Proceedings of the 6th International RILEM Symposium, Varenna / Italy*. PP 837-846.

Elsaigh, W.A., Kearsley, E.P., and Robberts, J.M., 2005. *Steel Fibre Reinforced Concrete for Road Pavement Applications*. *Proceedings of the 24th Annual Southern African Transport Conference, Pretoria / South Africa*. 10 P.

Elsaigh, W.A., and Kearsley, E.P., 2006. Effect of Matrix Strength on Performance of Steel Fibre Reinforced Concrete. *Proceedings of the 3rd Young Concrete Engineers' Practitioners' and Technologists' Conference, Midrand / South Africa*. 10 P.

Ezeldin, A.S., and Balaguru, P.N., 1992. Normal and High Strength Fibre reinforced Concrete Under Compression. *Journal of Materials in Civil Engineering* 4(4). PP 415-427.

Falkner, H., and Teutsch, M., 1993. Comparative Investigations of Plain and Steel Fibre Reinforced Industrial Ground Slabs. *Institut Für Baustoffe, Massivbau und Brandschutz (IBMB) / Germany*, Report No. 102, ISBN 3-89288-078-6. 80 P.

Falkner, H., Huang, Z., and Teutsch, M., 1995a. Comparative study of Plain and Steel Fibre Reinforced Industrial Ground Slabs. *Concrete International*, V. 17, No 1. PP 45-51.

Falkner, H., Huang, Z. and Teutsch, M. 1995b. Untersuchung des Trag-und Verformungsverhaltens von Industriefußböden aus Stahlfaserbeton. Institut Für Baustoffe, Massivbau und Brandschutz (IBMB) / Germany, Heft No. 117, ISBN3-89288-096-4. 187 P. (In German).

Gere, J.M., and Timoshenko, S.P., 1991. Mechanics of Materials. 3rd edition. ISBN 0412-368803.

German Concrete Association, 1991. Recommendations: Fundamental Principles for Evaluation of Industrial Steel Fibre Concrete Floors (In German).

Grondziel, M., 1989. Restoration of Concrete Floors with Steel-Fibre Concrete for Aircraft at Frankfurt Airport. Proceedings of the International Conference on Recent Developments in Fibre Reinforced Cements and Concrete, London / United Kingdom. PP 610-619.

Hannant, D.J., 1978. Fibre Cements and Concretes. John Wiley and Sons, New York / United States of America.

Harajli, M.H., Maalouf, D., and Khatib, K., 1995. Effect of Fibres on the Punching Shear Strength of Slab-column Connections. Cement and Concrete Composites, V. 17, No. 2. PP 161-170.

Henrik, H., and Vinding, I.B., 1990. Fracture Mechanics in Design of Concrete Pavements. 2nd International Workshop on The Theoretical Design of Concrete Pavements, Spain. PP139-164.

Holcim, 2006. Holcim Material Handbook. Published by Johnson Heydenberg Afrika, Holcim South Africa. 2nd Edition.

Holmgren, J., 1993. The Use of Yield-line Theory in the Design of Steel Fibre Reinforced Concrete Slabs. Proceedings of the Engineering Foundation Conference, Niagara-on-the-lake / Canada, Published by the Geotechnical Engineering Division of the American society of Civil Engineers, New York / United States of America.

Hu, H-T., and Schnobrich, W.C., 1990. Non-linear Analysis for Cracked Reinforced Concrete. American Concrete Institute, Structural Journal, V. 87, No. 2. PP 199-207.

Hu, H-T., Lin, F-M., and Jan, Y-Y., 2004. Non-linear Finite Element Analysis of Reinforced Concrete Beams Strengthened by Fibre-reinforced Plastics. Journal of Composite Structures (63). PP 271-281.

Ioannides, A.M., Thompson, M.R, and Barenberg, E.J., 1985. Westergaard Solution Reconsidered. Transportation Research Records 1043, Transportation Research Board (TRB), Washington D.C./ United States of America. PP 13-23.

Igarashi, S., Bentur, A., and Mindess, S., 1996. The Effect of Processing on the Bond and Interfaces in Steel Fibre Reinforced Cement Composites. Journal of Cement and Concrete Composites, V. 18, No. 5. PP 313-322.

Japanese Concrete Institute, 1983. Standards for Test Methods of Fibre Reinforced Concrete. Method JCI-SF4.

Jindal, R.L., 1984. Shear and Moment Capacities of Steel Fibre Reinforced Concrete Beams. International Symposium, American Concrete Institute, Detroit / United States of America. PP1-16.

Johnston, C.D., 1984. Steel Fibre Reinforced Concrete Pavement Trials. Concrete International. PP 39-43.

Johnston, C.D., 1985. Toughness of Steel Fibre Reinforced Concrete. Proceedings of the Steel Fibre Concrete US-Sweden Joint Seminar (NSF-STU), Swedish Cement and Concrete Research Institute, Stockholm / Sweden. PP 333-360.

Johnston, C.D., and Zemp, W.R., 1991. Flexural Fatigue Performance of Steel Fibre Reinforced Concrete: Influence of Fibre Content, Aspect Ratio, and Type. American Concrete Institute, Material Journal, V. 88, No. 4. PP 374-383.

Karihaloo, B., 1995. Fracture Mechanics and Structural Concrete. Longman Group Limited. ISBN 0-582-2158-X.

Kaushik, S.K., Vasan, R.M., and Godbole, P.N., 1989. Analysis of Steel Fibre Reinforced Concrete Pavements Based on Finite Element Analysis. International Conference on Recent Developments in Fibre reinforced Cements and Concrete, London / United Kingdom. PP 620-629.

Kearsley, E.P., and Elsaigh, W.A., 2003. Effect of Ductility on Load Bearing Capacity of Steel Fibre Reinforced Concrete Ground Slabs. Journal of the South African Institution of Civil Engineering, Midrand / South Africa, V. 45, No. 1. PP 25-30.

Kooiman, A.G., van der Veen, C., and Walraven, J.C., 2000. Modelling the Post-cracking Behaviour of Steel Fibre Reinforced Concrete for Structural Design Purposes. *Heron Journal*, V. 45, No. 4, ISSN 0046-7316. PP 275-307.

Kotsovos, M.D., and Pavlovic, M.N., 1995. *Structural Concrete: Finite-element Analysis for Limit-state Design*, Telford New York / United States of America, ISBN 0727720279.

Kupfer, H., Hilsdorf, H.K., and Rusch, H., 1969. Behaviour of Concrete Under Biaxial Stresses. *Journal of the American Concrete Institute*, V. 66, No. 8. PP 656-666.

Lankard, D.R., and Newell, J.K., 1984. Preparation of Highly Reinforced Steel Fibre Reinforced Concrete Composites. *Proceedings of the International Symposium*, American Concrete Institute, Detroit / United States of America. PP 287-304.

Leung, C.K.Y., and Shapiro, N., 1999. Optimal Steel Fibre Strength for Reinforcement of Cementitious Materials. *Journal of Materials in Civil Engineering*, V. 11, No. 2. PP 116-123.

Lim, T.Y., Paramasivam, P., and Lee, S.L., 1987a. Analytical Model for Tensile Behaviour of Steel-fibre Concrete. *American Concrete Institute, Materials Journal*, V. 84, No. 4. PP 286-298.

Lim, T.Y., Paramasivam, P., and Lee, S.L., 1987b. Bending Behaviour of Steel-fibre Concrete Beams. *American Concrete Institute, Structural Journal*, V. 84, No. 4. PP 524-536.

Lok, T-S., and Pei, J-S., 1998. Flexural Behaviour of Steel Fibre Reinforced Concrete. *Journal of Materials in Civil Engineering*, V.10, No. 2. PP 77-97.

Lok, T-S., and Xiao J-R., 1998. Tensile Behaviour and Moment-Curvature Relationship of Steel Fibre Reinforced Concrete. *Magazine of Concrete Research*, No. 4. PP 359-368.

Lok, T-S., and Xiao, J-R., 1999. Flexural Strength Assessment of Steel Fibre Reinforced Concrete. *Journal of Materials in Civil Engineering*, V.11, No. 3. PP 188-196.

Losberg, A., 1961. *Design Methods for Structurally Reinforced Concrete Pavements*. PhD. Thesis, Transactions No. 250, Chalmers University of Technology, Göteborg.

Losberg, A., 1978. Pavements and Slabs on Grade with Structurally Active Reinforcement. *Journal of the American Concrete Institute*, V. 75, Title No. 66. PP 647-657.

MacLeod, I.A., 1990. Analytical Modelling of Structural Systems. Ellis Horwood Limited, United Kingdom.

Marais, L.R., and Perrie, B., 2000. Concrete Industrial Floors on the Ground. Cement & Concrete Institute, Midrand / South Africa, ISBN 0-620-17284-3. 200 P.

MathSoft 2001, Mathcad 2001i, MathSoft International, (Knightway House, Park Street, Bagshot, GU19 5AQ), United Kingdom.

Meda, A., and Plizzari, G.A., 2004. New Design Approach for Steel Fibre-Reinforced Concrete Slab-on-Ground Based on Fracture Mechanics. American Concrete Institute, Structural Journal, V.101, No. 3. PP 298-303.

Meyerhof, G.G., 1962. Load Carrying Capacity of Concrete Pavements. Journal of the Soil Mechanics and Foundations Division, The American Society of Civil Engineers. PP 89-116.

Morgan, D.R. and Mowat, D.N., 1984. A Comparative Evaluation of Plain, Mesh and Steel Fibre Reinforced Concrete. International Symposium, American Concrete Institute, Detroit / United States of America. PP 305-318.

Minelli, F., and Vecchio, F.J., 2006. Compression Field Modelling of Fibre-Reinforced Concrete Members Under Shear Loading. American Concrete Institute, Structural Journal, V.103, No. 2. PP 244-252.

MSC.Marc, 2003. , Mentat V. 2003, MSC. Software Corporation, 2 Mac Arthur place, Santa Ana, CA92707. United State of America.

Nataraja, M.C., Dhang, N., and Gupta, A.P., 1999. Stress-Strain Curves for Steel-Fibre Reinforced Concrete Under Compression. Journal of Cement and Concrete Composites, No.21. PP 383-390.

Nathan, G.K., Paramasivam, P., and Lee, S.L., 1977. Tensile Behaviour of Fibre Reinforced Cement Paste. Journal of Ferrocement, V. 7, No.2. PP 59- 79.

Nemegeer, D., 1996. Design Guidelines for Dramix Steel Wire Fibre Reinforced Concrete. Indian Concrete Journal, V.70, No.10. PP 575-584.

Neville, A.M., and Brooks, J.J., 1998. Concrete Technology. Longman / United Kingdom, ISBN 0-582-98859-4.

Ngo, D., and Scordelis, A.C., 1967. Finite Element Analysis of Reinforced Concrete Beams. *Journal of American Concrete Institute* V. 64, No 3. PP 152-163.

Olesen, J.F., 2001. Fictitious Crack Propagation in Fibre-Reinforced Concrete Beams. *Journal of Engineering Mechanics*, V. 127, No. 3. PP 272-280.

Packard, R.G. and Ray, G.K., 1984. Performance of Fibre-reinforced Concrete Pavements. *Proceedings of the International Symposium, American Concrete Institute, Detroit / United State of America*. PP 325-349.

Pakotiprapha, B., Pama, R.P., and Lee, S.L., 1983. Analysis of A Bamboo Fibre-Cement Paste Composite. *Journal of Ferrocement*, V. 13, No. 2. PP 141- 159.

Paramasivam, P., Fwa, T.F., and Lau, C.M., 1994. Bending Behaviour of Concrete Sections with Thin Cement Composite Overlay for Pavement Application. *Publications of the American Concrete Institute: Thin Reinforced Concrete Products and Systems* edited by Balaguru, SP 146-7. PP 91-110.

Parker, F.Jr., 1974. Steel Fibrous Concrete for Airport Pavement Applications. U.S. Army Engineer Waterways Experiment Station. Federal Aviation Administration, Washington DC / United States of America, Technical Report No. S-74-12. 205 P.

Parker, F.Jr. and Rice, J.L., 1977. Steel Fibrous Concrete for Airport Pavements. *Proceedings of the International Conference on Concrete Pavement Design, Purdue University / Unite States of America*. PP 541-555.

Poulos, H.G., and Small, J.C., 2000. Development of Design Charts for Concrete Pavements and Industrial Ground Slabs. *Design Applications of Raft Foundations*, ISBN 0727727656. PP 39-70.

Østergaard, L., and Olesen, J.F., 2005. Method for Determination of Tensile Properties of ECC I: Formulation and Parameter Variations. *Proceedings of the International Workshop on High Performance Fibre Reinforced Cementitious Composites in Structural Applications, Task Group A: Standards for Materials and Testing, Honolulu / Hawaii*. PP 60-67.

Østergaard, L., Walter, R., and Olesen, J.F., 2005. Method for Determination of Tensile Properties of ECC II: Inverse Analysis and Parameter Variations. *Proceedings of the International Workshop*

on High Performance Fibre Reinforced Cementitious Composites in Structural Applications, Task Group A: Standards for Materials and Testing, Honolulu / Hawaii. PP 68-74.

Ramakrishnan, V., 1985. Steel Fibre Reinforced Shotcrete (A State-of-the-Art Report). Proceedings of Steel Fibre Concrete US-Sweden Joint Seminar (NSF-STU), Swedish Cement and Concrete Research Institute, Stockholm / Sweden. PP 7-22.

Rao, K.S.S., and Singh, S., 1986. Concentrated Load-Carrying Capacity of Concrete Slabs on Ground. ASCE Journal of Structural Engineering, V. 112, No. 12. PP 2628-2645.

Rashid, Y.R., 1968. Ultimate Strength Analysis of Prestressed Concrete Pressure Vessels. Nuclear Engineering and Design V.7 No. 4. PP 34-344.

RILEM-50-FMC Committee, 1985. Draft Recommendation: Determination of Fracture Energy of Mortar and Concrete by Means of Three-Points Bending Test on Notched Beams. Journal of Materials and Structure 18 (106). PP 285-290.

RILEM TC 162-TDF, 2002. Test and Design Methods for Steel Fibre Reinforced Concrete: Bending test - Final Recommendation. Journal of Materials and Structures, V.35. PP 579-582.

Robins, P., Austin, S., Chadler, J., and Jones, P., 2001. Flexural Strain and Crack Width Measurement of Steel-Fibre-Reinforced Concrete by Optical Grid and Electrical Gauge Methods. Cement and Concrete Research (31). PP 719-729.

Romualdi, J.P., and Mandel, J.A., 1964. Tensile Strength of Concrete Affected by Uniformly Distributed and Closely Spaced Short Lengths of Wire Reinforcement. Journal of the American Concrete Institute, V. 61, No. 6. PP 657-671.

Rots, J.G., 1988. Computational Modelling of Concrete Fracture. PhD. Thesis, Delft University of Technology. The Netherlands.

Schrader, E.K., 1985. Fibre Reinforced Concrete Pavements and Slabs (A State-of-the-Art Report). Proceedings of the Steel Fibre Reinforced Concrete US-Sweden Joint Seminar (NSF-STU), Swedish Cement and Concrete Research Institute, Stockholm / Sweden. PP 109-131.

Sham, S.H.R., and Burgoyne, C.J., 1986. Load Tests on Dramix Steel Fibres Reinforced Concrete Slabs. Imperial College of Science and Technology / United Kingdom, Department of Civil

Engineering, Concrete Laboratories, A report to Sir Frederick Snow and Partners Consulting Engineers. 18 P.

Shannag, J., Brincher, R., and Hanssen, W., 1997. Pullout Behaviour of Steel Fibres from Cement-Based Composites, Pergamon, Cement and Concrete Research, V. 27, No. 6. PP 925-936.

Shentu, L., Jiang, D., and Hsu, C-T.T., 1997. Load Carrying Capacity for Concrete Slabs on Grade. Journal of Structural Engineering, V. 123, No. 1. PP 95-103.

Silfwerbrand, J., 2000. Design of Steel Fibre Reinforced Concrete Slabs on Grade. Proceedings of the 5th International RILEM Symposium - Fibre-Reinforce Concrete. Lyon /France. PP 305-314.

South African Standard (SABS) 1982: Concrete Tests. The Drilling, Preparation and Testing of Concrete Cores. SABS Method 865.

South African Standard (SABS) 1994: Concrete Tests. Compressive Strength of Hardened Concrete. SABS Method 863.

Sorelli, L.G., Meda, A., and Plizzari, G.A., 2006. Steel Fibre Concrete Slabs on Ground: A Structural Matter. American Concrete Institute, Structural Journal, V. 103, No. 4. PP 551-558.

Soroushian, P., and Bayasi, Z., 1987. Prediction of the Tensile Strength of Fibre Reinforced Concrete: A Critique of the Composite Material Concept. Proceedings of the American Concrete Institute - Fibre Reinforce Concrete: Properties and Applications. SP 105.

Soroushian, P., and Cha-Don Lee, C-D., 1990. Distribution and Orientation of Fibres in Steel Fibre Reinforced Concrete. American Concrete Institute, Materials Journal, V. 87, No. 5. PP 433-439.

Soroushian, P., and Bayasi, Z., 1991. Fibre-Type Effects on the Performance of Steel Fibre Reinforced Concrete. American Concrete Institute, Material Journal, V. 88, No. 2. PP 129-134.

Swamy, R., and Al-Ta'an, S.A., 1981. Deformation and Ultimate Strength in Flexure of Reinforced Concrete Beams Made with Steel Fibre Concrete. Journal of the American Concrete Institute, V.78, Title No. 36. PP 395-405.

Swamy, R., Jones, R., and Chiam, T., 1987. Shear Transfer in Steel Fibre Reinforced Concrete. Publications of the American Concrete Institute, Fibre Reinforced Concrete Properties and Applications, SP-105.

Theyse, H.L., De Beer, M., and Rust, F.C., 1996. Overview of the South African Mechanistic Pavement Design Analysis Method. Transportek, CSIR, DP-96/005, Pretoria / South Africa. 43P.

Tlemat, H., Pilakoutas, K., and Neocleous, K., 2006. Modelling of SFRC Using Inverse Finite Element Analysis. Journal of Materials and Structures, RILEM, V. 39 Issue 6. PP 221-233.

Vandewalle, M., 1990. The Use of Steel Fibre Reinforced Concrete In Heavy Duty Port Pavements. Proceedings of the 6th International Symposium on Concrete Roads: Theme B, Madrid / Spain. PP 121-128.

Vandewalle, L., 2003. Design with σ - ϵ Method. Proceedings of the RILEM TC 162-TDF Workshop: Test and Design Methods for Steel Fibre Reinforced Concrete-Background and Experience, Bochum / Germany. 207 P.

Westergaard, H.M., 1926. Stresses in Concrete Pavements Computed by Theoretical Analysis. Public Roads, V. 7, No. 2. PP 25-35.

Weihe, S., Kröplin, B., and de Borst, R., 1998. Classification of Smeared Crack Models Based on Material and Structural Properties. Journal of Solids and Structures, V. 35, No. 12. PP 1289-1308.

Wood, L.A., 2000. Soil-structure Interaction. Design Applications of Raft Foundation, ISBN 0727727656. PP 205-242.

Yi-ning, D., Wei, H., Pfeuffer, M., and Yu-lin, Z., 2002. Stress-strain Analysis for Steel Fibre Reinforced Concrete Under Flexural Load. Proceedings of the 5th International Symposium on the Cement and Concrete, Shanghai / China. PP 454-461.

Yoder, E.J., and Witczak, M.W., 1975. Principles of Pavement Design. John Willy and Sons, 2nd edition, ISBN 0-471-97780-2.

Zuhang, Y., 1990. Design Theory and Procedure of Concrete Pavements in China. Proceedings of the 2nd International Workshop on the Theoretical Design of Concrete Pavements, Spain. PP 401-415.