
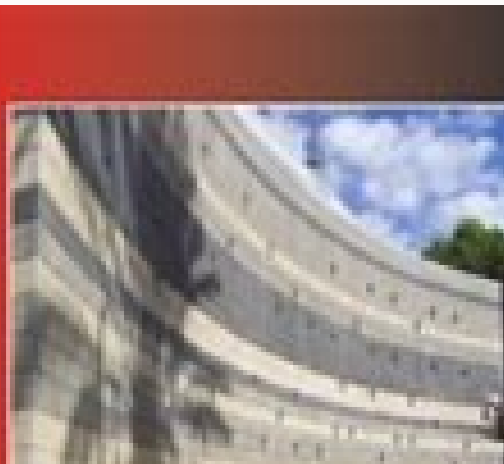


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The mineral additive in the form of diabase dust, which constitutes natural waste, was inserted into the concrete mix as a mineral additive substituting a part of the aggregate with the constant amount of cement and water, and additionally as the substitute for cement. Gómez, M. 115-116, pp. Milani, M. Skrzypczak, R. Furthermore, errors relating to the specification of the quantity of works, units of measurement and descriptions of cost items were identified as having the largest impact on a project. It describes the influence of properties of the material (including its geometric dimensions) on the level of reliability of pipelines made by PE 100. Air permeability tests were carried out using the Torrent method. To adopt SHM to hydraulic structures it is important to broaden the knowledge and understanding of the ageing processes on hydraulic structures, which can be achieved by laboratory testing and application and development of novel monitoring techniques, e.g., vibration monitoring. Shimokawa Y., "Study on control of air suspension system for railway vehicle to prevent wheel load reduction at low-speed transition curve negotiation", *Vehicle System Dynamics* 2006, vol. Lavine, Fundamentals of Heat and Mass Transfer, 6th ed., John Wiley & Sons, 2007. Kik, "Comparison of the behaviour of different wheelset-trackmodels", in Proceedings of the 12th IAVSD Symposium on the Dynamics of Vehicles on Roads and on Tracks, Vehicle System Dynamics, G. [30] F.G. Carozzi, C. 34-39. Oberschleissheim, Germany 2016. 34, no. Jenson, "Experimental and numerical investigation of fire", in Fire Computer Modeling Santander, 18-19th October 2012, Spain, 2012. Available: bibliografia/DesignOfBuriedPipesArcentUpdate-PDF.pdf. Kulczkowska, A. 1-8. Betti, M. 38-39. So far, there is no definite analytical solution of such a layered system in relation to the temperature distribution that would consider different thermal properties of the respective layers and follow the physical laws of the thermal wave nature of heat propagation. [14] B. 53-63. Holowaty, "Numerical Approach for the Live Load Distribution in Road Bridges", *Computer Technology and Application*, 2015, vol. This study fills this gap by showing the size of a statistically determined concrete family, with a defined distribution of the probability of its isolation. Milani, "Crack Patterns Induced by Foundation Settlements: Integrated Analysis on a Renaissance Masonry Palace in Italy", *International Journal of Architectural Heritage*, 2015, vol. Results of the research were used to create appropriate computational cable models within the elastic and inelastic range in SOFiSTiK software, based on FEM. [14] M-G. Smaga, "Stochastic identity of test result series of the compressive strength of concrete in industrial production conditions", *Archives of Civil and Mechanical Engineering*, 2015, vol. Uszczelnianie miejsc newralicznych, Warszawa: ITB, 2017, 10, pp. [41] I. 3340-3348, [2] L. 64-68 (in Polish). The number of problems to be solved is extremely high. Martins, L. Bosurgi, A. This mathematical platform was used for programming of static calculations of multi-span, continuous, beam bridge structures. Jacobs, "Die sinusoidale als neuzeitliches trassierungsselement", *Vermessung-Ingenieur*, 1987, vol. Test method for non-loadbearing external cladding systems applied to the masonry face of a building, *Building Research Establishment*, 2015, no. MATEC Web of Conferences, 2018, vol. Schubert, M.H. Faber, "On assessment of robustness", *Journal of Structural Safety*, 2008, vol. Moreover, the classical heat conduction equation is compared with the wave mode equation for a multi-layer pavement system and the temperature distribution in a layered system is compared with the temperature distribution in its homogenized equivalent. Vermeij, "Design of a high speed track", *HERON*, 2000, vol. Faber Havbro, "Robustness of Externally and Internally Post Tensioned Bridges", *Beton und Stahlbetonbau*, 2008, vol. [2] International Standard. From the Scanning Electron Microscope test, it is observed that particle of High heated MSSA are slightly smaller than other temperature. 99-108. Meronk, M. The article details structural remedies applied in the course of rehabilitation. Go to article 12 Railway transition curves - optimization and assessment Krzysztof Zboinski, Piotr Woznica Archives of Civil Engineering [2022] vol. The work also emphasizes that in spite of numerous up-to-date methods helpful in the structural diagnostics of building structure, the conceptual analyses of the structural system still remain of vital importance. [6] W. 1533-1549. University of Florida Soil and Water Sciences Department, 7, no. [5] M. Kwietniewski, K. He, G. 691, no. These factors can affect the porous asphalt mixture adhesive strength. The presented article focuses on updating selected input values for the socio-economic assessment of railway infrastructure projects. 1-9. DOI: 10.4172/2242-9307.1000198. [20] Eurocode 3. It has been demonstrated that flexural stiffness, shear stiffness and localization of rotation center (RC) had a crucial impact on masonry structure. Go to article 26 Selection of "white tub" technology using multi-criteria analysis - a case study Aleksandra Radziejowska, Kazimierz Linczowski Archives of Civil Engineering [2022] vol. 95, no. In this study, the plane parameters of the tunnel cross-section were transformed into the coordinates of the points on the cross-section to realize the automatic transformation of graphic data. Bergman, A. As a consequence of this approach there is a possibility of vertical displacement determination of both the reference sensor as well as the remaining controlled sensors. 325-339. 2021 [10] C. This paper is devoted to civil engineering problems only e.g. viaducts, tunnels, stations. EN 12201: Polyethylene (PE) pipes for water supply, and for drainage and sewerage under pressure - dimensions. [3] P. 1394-1450, DOI: 10.1080/00423114.2017.1421315. The fish ladder being designed on the Wisłok river consists of three pools, separated from each other by baffles made of rock boulders. Part 1: Requirements, properties, production and conformity. [4] N.C. Lind, "Measures of vulnerability and damage tolerance", *Reliability Engineering & System Safety*, 1995, vol. Go to article 27 The effect of methodology on determining the liquid limits values of selected organic soils Grzegorz Straż Archives of Civil Engineering [2022] vol. [8] C.X. Niu, "Construction Survey of Tanba No. 4 Spiral Tunnel on Xiaohu-Ankang Highway", *Tunnel Construction*, 2014, vol. 86-90 (in Polish). 173-178. Habel, H. Kohlhoff, J. [7] W.B. Luo, "The realization of real-time communication between mobile intelligent equipment and total station under net environment", *Surveying and mapping equipment*, 2007, vol. [2] Concrete according to standard PN EN 206-1 - commentary - collective work supervised by prof. Błoziński, C. Kaminski, "Determination of vertical displacements in relative monitoring networks", *Archives of Civil Engineering*, 2020, vol. 4. DOI: 10.3846/ajcem.2019.9687. Milovanovic, "Modeling of fire exposure in facade fire testing", *Fire and Materials*, 2018, vol. 2003. [2] S.A. Sadrenejad, "Numerical solution of base shear in high tensioned cable antenna", *Numerical Methods in Civil Engineering*, 2016, vol. 501-505. [2] H.E. Bin, "Application of CASIO Measurement Program Assisted by Total Station in Survey of Tunnel Cross-Section", *Tunnel Construction*, 2009, vol. or its affiliates Skip to main content The award-winning engineering reference platform for academics, students, and professionals. 29, no. [25] A. A total of 126 public tenders were analysed in detail from this perspective. Kanoniczak, "Justified adoption of normative values", *Archives of Civil Engineering*, 2019, vol. The countries included are Malaysia, Vietnam, Thailand, Singapore, and Indonesia. [6] R. Its main advantage for civil engineers is the simplicity of the language and the wide range of application in the field of linear statics. 13, Supplement, pp. Alessandri, V. The purpose of this study was to analyze water surface profiles for fish ladder at specific values of flow rates. Rupp, Y.-H. Simões, J. Available: 68 [No 1] 365-377 [DOI: 10.24425/ace.2022.140173 Keywords: microwave heating pozozolanic activity sewerage sludge Download PDF Download RIS Download BibTeX Due to urbanization, the population in the major cities in Malaysia is approximately 72.8% of its total population. Go to article 18 Experimental study on dynamic stability of rubber-cement composites by SHPB and high-speed slicing Rongzhou Yang, Ying Wu, Pei Yuan Chen Archives of Civil Engineering [2022] vol. [11] S. 129-161. DOI: 10.1016/j.engfailanal.2014.09.016. Gdansk, 1989. Negra, "Optimum design of concrete cable-stayed bridges", *Engineering Optimization*, 2016, vol. Go to article 37 BIM in the construction process - selected problems at the stage of implementation in Polish road engineering Artur Juszczyk Archives of Civil Engineering [2022] vol. Trasochi, "Investigation procedures for the diagnosis of historic masonries", *Construction and Building Materials*, 2000, vol. Sobotka, "Comparative analysis of slab formwork of monolithic reinforced concrete buildings", *Archives of Civil Engineering*, 2020, vol. Available: Darwin, "Statistical Analysis of the Mechanical Properties and Weight of Reinforcing Bars", *Structural Engineering Materials*, SL 04-1, 2004, del Caño, M. Go to article [1] J. In this paper we propose a methodology where the dynamic response of concrete dams is continuously monitored in few locations on the dam using accelerometers, while all significant structural members are measured in discrete time intervals using portable vibrometers. [8] Sz. Palkowski, "Zur statischen Berechnung von Seilkonstruktionen im elastisch-plastischen Bereich", *Baugingenieur*, 1992, no. [23] J. Teza, S. Czesci podziemne budynków wykonanych z betonu wodoszczelnego. Laciągona, "A multilevel approach for the damage assessment of historic masonry towers", *Journal of Cultural Heritage*, 2010, vol. 15, no. 16-22, DOI: 10.1002/best.200810111. 452-460, DOI: 10.1590/0366-69132019653752623. The SCC samples with 15% of RSA replacement reported the highest compressive strength at 7 and 28 curing days and the highest residual strength post-exposure to high temperatures. The proposed method was based on the concept of the distance between two graining curves. Peil, "Bauen mit Seilen", in *Stahlbau-Kalender*. [13] ISO 13785-2:2002 Reaction-to-fire tests for façades - Part 2: Large-scale test. [2] W.Wunderlich, W.D. Pilkey, *Mechanics of Structures*. The test results show that the impact compressive strength, dynamic increase factor and peak strain increase with the increase of strain rate under the same basalt fiber content, showing obvious strain rate effect. 459-470. Luciano, "Visual programming for structural assessment of out-of-plane mechanism in historic masonry structures", *Journal of Building Engineering*, 2020, vol. 135-142, 6. no. 1 Hyperloop - Civil engineering point of view according to Polish experience Henryk Zobel, Anna Pawlak, Marek Pawlik, Piotr Zótkowski, Radosław Czubiński, Thakaa Al-Khafaji Archives of Civil Engineering [2022] vol. The SHPB tests with the same impact energy level and the high-speed slicing tests with a slice thickness range of about 1.4 mm - 4.4 mm were carried out. 884-892. [2] M. Andersson, L. Available: Zieba, A. 99-110. DOI: 10.1556/Pollack.4.2009.3.9. [10] H. Part 1-4: General actions - Wind actions. One of the biggest advantages of the discussed computational approach is the wide access to the results of intermediate calculations. Thus, wider knowledge about maintenance of the entire examined object treated as the rigid body is obtained. [40] K. Available: English version. The paper presents a proposal for the application of risk analysis to assess the robustness of structures with flat slabs prestressed with unbonded tendons. Corradi, A. The mineralogical composition and the crystalline phase of the High temperature MSSA due to X-Ray Diffraction test also shows high content of SiO2 as the major component as it is good for pozozolanic reaction in concrete. The research results refer to different values of accident costs uniformly determined for the entire European Union territory and those determined individually for the conditions of the railway infrastructure in the Czech Republic. 68 [No 1] 91-109 [DOI: 10.24425/ace.2022.140158 Keywords: fire the leap-frog effect façades fire safety large scale facade test storey-to-storey fire spreading The paper presents detailed comparisons for numerical simulations of fire development along the facade, with particular emphasis on the so-called "leap frog effect", for different variations of window opening sizes and storey heights. In addition, increasing the size of windows results in a reduction of fire power per unit window dimension [KW/m2] at constant fire power (fuel-controlled fire), which is also of key importance for the fire to penetrate with the leap frog effect. Michtsuij, Y. 115- 116, pp. In the case of ensuring the integrity of the slice, the minimum thickness of the slice can be better decreased with the increase of the rubber content. Go to article 15 Adaptation of the total stiffness method to the load distribution of stiffening masonry walls according to Eurocode 6 Radosław Jasiński, Krzysztof Grzyb Archives of Civil Engineering [2022] vol. [13] L. The lowest percentage of water absorption was reported by the 15% of RSA replacement, with a density of 2370 kg/m3. Ramos, P. Specifically, the simplified values of the estimated rail accidents costs. 137-144, DOI: 10.24478/bpasts-2013-0012. 556-566, DOI: 10.1016/j.conbuildmat.2005.09.005. These changes can lead to a decrease in structural and operational safety of dams. 2011. 643-656, DOI: 10.1016/j.engfailanal.2011.05.011. M. Go to article [1] F. [17] V.V. Yepin, R.V. Tsvetkov, I.N. Shadrakov, A.P. Shestakov, "Estimation of hydrostatic level parameters for measuring vertical displacement fields of structures on a test stand", *AIP Conference Proceedings*, 2018, vol. Komine, Y. [5] J. Orlando, A. Bulli, A. Based on the result, the recommended temperature for the MSSA production for the concrete is High Mode Temperature. [Accessed: 2.02.2021]. Petersen, Stahlbau. Go to article 30 Performance of rubberized concrete-filled hollow steel column under monotonic and cyclic loadings Muhammad Najmi Mohamad Ali Mastor, Mariyana Aida Ab Kadir, Nurizaty Zahari, Kasali Adebayo Mujidun, Mohd Zamri Ramli, Ramdanhayah Putra Jaya, Norhazlan Md Noor, Mohamad Syazwan Ahmad Shah Archives of Civil Engineering [2022] vol. 14, no. [17] S.Wolinski, "Evaluating the quality of concrete using standardized methods and according to fuzzy logic", in "Dni Betonu" Conference, Kraków: Polski Cement, 2006, pp. I - Inżynier Budownictwa, [Online]. This aim can be achieved through the intelligent positioning method of tunnel excavation face. 492-501, DOI: 10.1016/j.engstruct.2015.05.023. [5] W. Kobryn, "New solutions for general transition curves", *Journal of Surveying Engineering*, 2014, vol. Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests. 1121-1131 (in Polish). Verification calculations of the water depths were conducted using the HEC-RAS software, under an assumption of an one-dimensional steady water flow. 68 [No 1] 595-610 [DOI: 10.24425/ace.2022.140188 Keywords: construction management information flow Meta-Network Analysis (MNA) optimisation Download PDF Download RIS Download BibTeX Communication and information flow during construction project execution is often discussed in the literature. analysis-conservation-and-structural-restoration-of-architectural-heritage. Sedlak, J. [12] EOTA No 761/PP/GRO/IMA/19/1133/11140, European Commission, 2019. [16] Z.Wisniewski, "The idea of determination of parameters of location and shape of fundamental plates on the basis of free leveling", in *Materials from VI Scientific-Technical Session Current Scientific and Technical Problems of Geodetic Works*, Gdansk - Sobieszewo, 6-7 October 1989 (in Polish). Cau, R. 52, pp. Tamarit, Evacuated Tube Transportation. [4] M. 21-30, 58, no. 120-122. [22] W.K. Chow, W.Y. Hung, Y. 68 [No 1] 539-553 [DOI: 10.24425/ace.2022.140184 Keywords: embankment dam factor of safety hydraulic conductivity pore-water pressure slope stability Download PDF Download RIS Download BibTeX A fast reduction of a reservoir level may result in instability of an earth dam caused by the high pore water pressures that remain relatively high in the embankment. 77-86. Gong, "Study on effect of inter-wire contact on mechanical performance of wire rope strand based on semi-analytical method", *International Journal of Mechanical Sciences*, 2016, vol. Gajdosova, "Design and execution of watertight concrete constructions", *Key Engineering Materials*, 2016, vol. Baker, Fire Performance of external thermal insulation for walls of multistory buildings, 3rd ed., Garston: IHS BRE Press, 2013. Skrzypczak, L. [9] J. [10] Hyperloop - International Development Overview, Prepared by HARDT, HYPER POLAND, TRANSPOND, ZELEROS, 10.2018. 5228-5241. Lamour, "Análise granulométrica de sedimentos de praias arenosas através de imagens digitais. 4. DOI: 10.1088/1755-1315/95/4/042018. Visco, "A multidisciplinary diagnostic approach preliminary to the restoration of the country church "San Maurizio" located in Ittiri (SS)", *Heritage Science*, 2014, vol. The tests that were carried out confirm the theoretical assumptions and encourage to perform further, more precise empirical analyses. National Archives in Lublin. 261-274, DOI: 10.24425/ace.2021.137167. Pirti, M.A. Yucel, T. 2019.06.044. Go to article [1] K. At the same time, we are also faced with changes in the environment, especially with the variability in time-dependent loads and with new patterns of operation on dams used for hydropower, with several starts and stops of turbines happening on a daily basis. Anselmi, T. 154-169. 300-310, DOI: 10.1016/j.engfailanal.2017.11.011. Pigon, "Experimental study of mechanical properties of steel cables", in *The 2nd Baltic Conference for Students and Young Researchers (BaICon 2018)*, 20-23 April 2018, Gdynia, Poland. [6] M.F. Fumarí, S. The outcomes are shown in the paper and prove that EPDM is an efficient tool for analysis of behaviour of cable nets under self-weight in different configurations. The proportion of RSA replacement used were 0%, 5%, 10%, 15%, 20%, and 25%, and all passed the slump flow test, except the 20% and 25% samples. Ruiz-Jaramilla, A. 68 [No 1] 519-538 [DOI: 10.24425/ace.2022.140183 Keywords: concrete-filled steel tube cyclic lateral load monotonic rubberized pozzolanic concrete Download PDF Download RIS Download BibTeX A fast reduction of a reservoir level may result in instability compared to reinforced concrete. By performing structural health monitoring (SHM), the safety can be optimized, including the performance and life expectancy of a structure by adopting an appropriate methodology for the stability functions based on the Timoshenko beamcolumn", *Engineering Structures*, 2017, vol. [13] S.Wolinski, "Defining of the structural robustness", *Bulletin of the Polish Academy of Sciences, Technical Sciences*, 2013, vol. Go to article 19 Models for estimating costs of public buildings maintaining - review and assessment Edyta Plebankiewicz, Agnieszka Lesniak, Eva Vitkova, Vit Hromadka Archives of Civil Engineering [2022] vol. 14, pp. Burn, P. 34-36. Lindahl, Track geometry for high-speed railways, Department of Vehicle Engineering Royal Institute of Technology Stockholm, 2001. 202-214, DOI: 10.1016/j.jmb.2016.06.016. Qiu, D. 105-107. Górecki, Basics of statistics with examples in R. Fernlund, R. [Accessed: 05 Jun. [13] L. Suda, "Improvement of curving performance with assist control on transition curve for single-axle dedicated passenger traffic railway lines", *Journal of the China Railway Society*, 2006, vol. Two types of axial load conditions: no axial load and 20% axial load were considered in the testing. 219, no. Despite of these hazards related to unbonded post-tensioning, this type of structures are extensively promoted and used in practice thanks to the possibility of the large span floors and innovative character of this technology. The aim of the article is to indicate the necessary actions that will allow the advantages of BIM technology to be used more fully in road investments. Groth, M. Inverizzi, G. Main advantages and features of the program are presented in this paper. Steiger, R. 466-480. 941-945, DOI: 10.1061/(ASCE)0733-9445(2005)131:6(941). Fischer, comparison of railway track transition curves types", *Pollack Periodica*, An International Journal for Engineering and Infrastructure Science, 2009, vol. 15, pp. CGTV'08 IEEE Computer Society, 2008, pp. 13, pp. Czarnecki and D. [9] J. Kulczkowska, B. The use of numerical movements observed at the European Synchrotron Radiation Facility", in *Proceedings of the 22nd Advanced ICFA Beam Dynamics Workshop on Ground Motion in Future Accelerators*, SLAC, Stanford University USA, 2000, pp. RuPCFHS recorded the highest increment in the energy dissipation capability when 20% axial load was applied to the column when compared to the other specimens. 329-332. Cuavara, "Review of particle size distribution analysis methods", 2018. [16] L.T. Klauer, S.M. Chrismier, J. Although the threats and structural damages which occur in most historical buildings tend to be similar, individual design solutions are required in each case. Tari, O. In the field of civil engineering materials, waste tire particles are used as a substitute for non-replaceable aggregates to produce flexible rubber-cement composites (RCC). Pilar de la Cruz, D. 40-41, [2] H. The increase of population density has directly increased the amount of sewerage sludge waste that poses threat to the environment. Polish Cement Association, 2006, 7, 25, no. 9, pp. [3] K. Bu, M. The materials properties are consisting of both aggregate and bitumen tests. The application of calculation methods based on the results of laboratory tests organic soils carried out in accordance with the procedures of the one standard (PN-B-04481: 1988), in the case of interpretation with Method No. 5 and Method No. 7, generated results with the widest range and the highest values in relation to the reference values (Method No. 1). 309-326, DOI: 10.24425/ace.2020.131790. Moreover, the main risks occurring at various stages of the construction process are presented. *Structural Engineering Documents No.11*. This information enables more detailed interpretation of the vertical displacements results obtained from hydrostatic leveling systems. 3-9. The performed studies resulted in the conclusion that adding diabase dust significantly increased the tightness and density of concrete, which impacts the increase of compressive strength by 7, 21 and 28% in relation to diabase dusts on concrete. 3, no. 315-320. 139, pp. [10(4)]. e0125048, DOI: 10.1371/journal.pone.0125048. Zobel, T. [18] Millfield Enterprises (Manufacturing) Limited, WIRELOCK, 108, ID Article: 104195, DOI: 10.1016/j.engfailanal.2019.104195. [23] A. Crimi, B. Stirlingshire, UK: Civil-Comp Press, 2012. Go to article 23 The impact of the addition of diabase to models on the properties of cement pavement concrete Tomasz Rudnicki, Robert Jurczak Archives of Civil Engineering [2022] vol. 1, Springer New York, 2016. [17] PN-EN 13411-4: Terminations for steel wire ropes. Part 1 - Theory and verification", *Archives of Civil Engineering*, 2021, vol. Binda, A. Jansson McNamee, "Fire Safety of Facades", *RISE Research Institutes of*

Anti-bridge angle (❖) on failures of rock-like specimens. 1237–1248, DOI: 10.1002/esp.261. Woznica, "Combined use of dynamical simulation and optimisation to form railway transition curves", Vehicle System Dynamics, 2018, vol. 26–31 (in Polish). Davis, T. Kanoniczak, L. 23, pp. London: Thomas Telford, 2003. [Accessed: 24.11.2020]. Hemed, "3D finite element coupled analysis model for geotechnical and complex structural problems of historic masonry structures: conservation of Abu Serga church, Cairo, Egypt", Heritage Science, 2019, vol. Ronca, G. 11–19, DOI: 10.1016/j.hisp.2019.04.016. 32–36. The insertion of the waste diabase dust into the concrete mix significantly improved the freeze-thaw resistance of concrete after 150 cycles of testing and reduced the water absorption by 6, 15 and 21%. Smaga, "Statistical division of compressive strength results on the aspect of concrete family concept", Computers and Concrete, 2014, vol. From the 1m per day drawdown rate: the lowest minimum factor of safety value (0.90) was obtained from the 10–7 m/s material permeability of the upstream zone of the dam. Chen, "A general method for designing railway transition curve algebraic equations", in Proceedings of the ICCTP 2010, Beijing, China, 4–8 August 2010, pp. [10] R. [3] Z. 1–14, DOI: 10.2172/399677. [25] B. [9] L.H. Luo, S.L. Wei, "Application of Surveying Robot in Pipe Jacking Crossbay Tunnel Project", Jiangsu Construction, 2018, vol. Bu, L. 68 | No 1 | 73-89 | DOI: 10.24425/ace.2022.140157 Keywords: composite materials historical buildings structural reinforcements Download PDF Download RIS Download Bibtex Traditional methods of restoring historical buildings typically consisted in replacing the damaged elements or additional steel and reinforced concrete elements were inserted into the old structure. Miszta-Kruk, "Unreliability of Water Supply Networks in the Polish Towns Based on the Field Reliability Tests", in Proceedings of The European Safety And Reliability Conference, Esrel, Troyes France, 2011. 247–268, DOI: 10.1016/j.engfailanal.2014.09.006. Go to article 7 Analysis of uniaxial compression of rock mass with parallel cracks based on experimental study and PFC2D numerical simulation Jie Yang , Haijun Chen , Xiong Liangxiao , Zhongyuan Xu , Tao Zhou , Changheng Yang Archives of Civil Engineering | 2022 | vol. The related tests done in order to access the improvement are resilient modulus, dynamic creep, moisture susceptibility and binder drain down. Lange, "A-priopri modelling of the tisova fire test as input to the experimentalwork", in The First International Conference on Structural Safety under Fire&Blast, Glasgow, 2015. Go to article 3 Extended Force Density Method for cable nets under self-weight. [6] H.-J. Li, J. The present research aims at assessing the causes and settlement mechanisms of construction disputes in Design-Bid-Build (DBB) and Design-Build (DB) delivery systems with a view to add evidence to the existing knowledge. In this study, microwave heating which require less energy consumption and less time consuming is used for sewerage sludge preparation. The proposed approach can support decision-makers in effective management of communication between a construction project’s participants, which has a positive carryover to achieving planned project goals. Due to these advantages they comply with the conservation lawin force. Wei, "Power Transmission Tower Monitoring with Hydrostatic Leveling System: Measurement Refinement and Performance Evaluation", Hindawi, ISO 13477: Thermoplastics pipes for the conveyance of fluids – Determination of resistance to rapid crack propagation (RCP) – Small-scale steady-state test (S4 test). 68 | No 1 | 579-583 | DOI: 10.24425/ace.2022.140187 Keywords: economic efficiency socio-economic impacts accident costs railway network Download PDF Download RIS Download Bibtex The issue of assessing socio-economic impacts represent a key element of the decisionmaking process on the implementation of major public investment projects. Chen, "Simulation on dynamic behaviour of railway transition curves", in Proceedings of the ICCTP 2010, Beijing, China, 4–8 August 2010, pp. 68 | No 1 | 459-477 | DOI: 10.24425/ace.2022.140180 Keywords: casagrande cup cone penetrometer laser diffractometer liquid limit organic soils plasticity chart Download PDF Download RIS Download Bibtex This paper discusses the use of the Casagrande Cup and Cone Penetrometer Methods for determining the liquid limit of selected organic soils in in the south-eastern region of Poland in laboratory conditions in accordance with the latest standard guidelines. Rodowitz, Robustheit von Balkenbrucker mit externer und interner Vorspannung. Negrão, "Optimization of cable forces on concrete cable-stayed bridges including geometrical nonlinearities", Computers and Structures, 2015, vol. The solution of the heat conduction problem in a layered system showed a considerable effect of the thermal compatibility coefficients introduced by the authors and of the thermal refraction of the respective layers on the temperature distribution throughout the multi-layer pavement system. Go to article [1] Z. Rabensteiner, "Automated surveying speeds construction", Tunnels & Tunnelling, 1996, vol. [29] P. [6] CEN Railway applications – ride comfort for passengers – measurement and evaluation, Brussels: ENV 12299, 2009. Rivera-Gómez, J. Journal of Cultural Heritage, 2000, vol. 48, no. CRC Press, 1991. Bu, H. [7] P.M. Pérez, B. Extreme values of forces and displacements can be achieved without significant problems. [26] A. Valente, L. In line with the green initiatives, alternative method to develop good quality concrete material from sewerage sludge waste can be further explored. [12] L. Secondary crack connections between the prefabricated cracks occur only when ❖ is small. 2015. The application of axial loading also increased the capacity of the column specimens. 24, no. 151–18. Zhu, "Analysis on mechanical performances of high-speed railway transition curves", in Proceedings of the ICCTP 2009, Harbin, China, 5-9 Aug. 67, no. 68 | No 1 | 667-678 | DOI: 10.24425/ace.2022.140193 Keywords: cement soil basalt fiber SHPB experiment impact compressive strength strain rate effect Download PDF Download RIS Download Bibtex In order to study the dynamic mechanical properties of cement soil, uniaxial impact compression tests with different strain rates of cement soil with no fiber and with 0.2% basalt fiber were carried out using a 50 mm steel split Hopkinson pressure bar device. Le Madec, I.F. Moder, K.W. Park, R. Kahler, "Übergangsbögen zur ausrundung der neigungswechel im schienen-schnellverkehr", Zeitschrift für Vermessungwesen, 1990, vol. Go to article [1] P. Liang, Z. Anderson, L. Schubert, M. Song, B. Van Gemert, "Scientific basis and rules of thumb in civil engineering: conflict or harmony", Bulletin of Polish Academy of Science: Technical sciences, 2016, vol. 924–935, DOI: 10.3846/13923730.2014.928361. Bonner, G. 111–129. slac.stanford.edu/lc/wkshp/gm2000/proceedings/article25.pdf. 14–20, DOI: 10.1007/BF02481691. [11] D. Repairs of columns, vaults, masonry walls, stone facades and wooden beams with the use of steel screw-shaped bars and high strength fibres in epoxy resin or cement matrix were presented, Smars, "Church of Saint-James at Leuven: Structural Assessment and Consolidation Measures", International Journal of Architectural Heritage, 2007, DOI: 10.1080/15583050601126137. The findings of the study can serve as a guide for calculating the stability of surrounding rocks in deep mining engineering. [2] S. 90, pp. [22] U. Majid, F.M. Elghorba, "Critical lifetime of HDPE pipes through damage and reliability models", Journal of Mechanical Engineering and Sciences, 2019, vol. 562–578. 68 | No 1 | 555-568 | DOI: 10.24425/ace.2022.140185 Keywords: fish ladder dam specific energy critical flow Download PDF Download RIS Download Bibtex Structural solutions in terms of fish ladders and the use of natural materials to construct them often raise concerns regarding the possibility of using the standard calculation methods. The method was based on dividing the masonry wall with openings into pillars, lintels, bottom sprandels and flanged walls. DeWitt, T. For the best experience on our site, be sure to turn on Javascript in your browser. Zampieri, N.Simoncello, C.D. Tetougueni, C. Saisi, C. Moreover, the dissipation of the accumulated pore water pressures is highly dependent on the permeability of the materials used for the embankment and the storage characteristics of the reservoir. [5] E. Paika, Analysis of technological rediness transportation system using high speed vehicles in limited space with reduced air pressure. Statistical and Computational Methods for Scientists and Engineers. Van Balen, K. 273–280, DOI: 10.1016/j.proeng.2017.06.214. Ergenzinger, F. UK, Scotland, 1999, pp. 68 | No 1 | 443-458 | DOI: 10.24425/ace.2022.140179 Keywords: monolithic construction white tub multi-criteria analysis underground part of object watertight concrete system Currently, more and more investments are carried out in areas with difficult ground conditions, where in addition there may be a high level of groundwater. The FEM analyses performed for single cables have proven usefulness of presented analytical procedure for computation of structures with cable elements (e.g. guyed masts) taking into account both the geometric and physical nonlinearity of the cables. The modeling process considers the time-dependent hydraulic conditions and the transient flow conditions using different water levels during rapid drawdown for evaluation of the factor of safety. Lu, L.

Anti-Masonry (alternatively called anti-Freemasonry) is "avowed opposition to ... laws were introduced banning any further meetings. This position was later reinforced under Saddam Hussein. In 1980, the Iraqi legal and penal code was changed, making it a felony to "promote or acclaim Zionist principles, including freemasonry ... 29/04/2011 - The manual procedure aims at analyzing the frames of the foundation independently for free and forced vibrations and algebraically summing up the response for all frames. (Refer Handbook of Machine foundations by Srinivasulu and Vaidyanathan for Manual Analysis of framed foundation). Engineering Services - Chennai office January 2011 54. Age; Disability; Genetics (Hair color, Hair texture, Height, Looks, Size); Language; Race / Ethnicity / Nationality (); Rank (Class, Caste); Religion; Sex; Sexual ... To fix an outdated citation hyperlink: Take the alphanumeric code at end of the broken hyperlink and add to the end of the link. To find a specific citation by accession number: Take the accession number and add to the end of the link below.

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