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Titolo	Les richesses des Pyrenees Francaises et Espagnoles : agriculture, irrigations, routes, mines, forges, fabriques, eaux minerales // Justin Cenac-Moncaut
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Nota di contenuto	Page de titre; Les irrigations dans les Pyrenees; I -; II - Histoire et resultat des irrigations dans le nord de l'Italie; III - Legislation italienne regissant les cours d'eau; IV - Etat des irrigations dans les departements Pyreneens anterieurement a la loi de 1845; V - Des causes de l'infirmité des irrigations dans les Pyrenees; VI - Consequences de la loi de 1845, sur les irrigations dans les Pyrenees; Pyrenees-Orientales; Aude; Ariège; Haute-Garonne; Hautes-Pyrenees; Basses-Pyrenees; VII - De l'avenir des irrigations; VIII - De l'execution des canaux de moyenne irrigation IX - De l'execution des travaux de grande irrigation X - Question de droit soulevee par la derivation des eaux de la Neste; XI - Conclusion a l'egard de la derivation des eaux de la Neste; XII - Projet complementaire des irrigations dans les Pyrenees; Percement des Pyrenees; I - Routes et chemins de fer; II - Parallele des Alpes et des Pyrenees; III - Situation commerciale des departements Pyreneens; IV - Chemins de fer francais et espagnols; V - Routes carrossables executees a travers les Pyrenees; VI - Routes thermales; VII - Routes transpyreneennes et internationales VIII - Chemin de fer a travers les Pyrenees centrales Agriculture, industrie, commerce; I - Agriculture; II - Production agricole; I - Industrie; II - Richesses minerales des Pyrenees en 1785; Comte de

Foix; Cousserans; Comminges et Quatre-Vallees; Comte de Bigorre; Bearn; Pays Basque; Landfs; IV - Etat des mines en 1860; Aude; Pyrenees-Orientales; Ariège; Arrondissement de Foix; Arrondissement de Foix (Suite); Arrondissement de Pamiers; Arrondissement de Saint-Girons; Haute-Garonne; Hautes-Pyrenees; Basses-Pyrenees; Landes; Les forets; I - Leur Etat depuis le Moyen Age jusqu'a la restauration II - Etat des forets de 1789 a 1825Haute-Garonne; Arrondissement de Saint-Gaudens; Arrondissement de Toulouse; Arrondissement de Muret; Arrondissement de Villefranche; Hautes-Pyrenees; III - Situation presente; IV - Reboisement des montagnes et des Landes; V - Industrie arboricole; Pyrenees-Orientales; Aude; Ariège; Haute-Garonne; Gers; Hautes-Pyrenees; Basses-Pyrenees; Landes; Arrondissement de Mont-de-Marsan; Arrondissement de Saint-Sever; Arrondissement de Dax; VI - Filatures et industries diverses; Pyrenees-Orientales; Aude; Arrondissement de Castelnaudary; Ariège; Arrondissement de Foix Arrondissement de PamiersArrondissement de Saint-Girons; Haute-Garonne; Gers; Arrondissement de Condom; Arrondissement de Lombes; Arrondissement de Mirande; Hautes-Pyrenees; Basses-Pyrenees; Landes; VII - Industries diverses; VIII - Eaux minerales; Pyrenees-Orientales; Aude; Ariège; Haute-Garonne; Gers; Hautes-Pyrenees; Basses-Pyrenees; Landes; Les richesses des Pyrenees espagnoles; I - Production agricole; Province de Gironne; Province de Tarragone; Province de Barcelone; Province de Llerida; Province de Saragosse; Province de Huesca; Province de Navarre; Province de Guypuscoa
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Nota di contenuto	Dynamic Behavior of Concrete and Seismic Engineering; Table of Contents; Preface; Chapter 1. Dynamic Behavior of Concrete: Experimental Aspects; 1.1. Introduction; 1.1.1. Meaning of the word "dynamic"; 1.1.2. Reminders about dynamic experimentation; 1.1.3. Identifying the behavior of concrete under fast dynamic loadings; 1.2. Tests in which the transient rate has little influence; 1.2.1. Tests involving deviatoric behavior; 1.2.2. Tests with prevailing spherical behavior; 1.3. Tests with transient phase conditioned interpretations; 1.3.1. Tests involving mainly traction behavior 1.3.2. Tests implementing compression behavior1.4. Other tests; 1.4.1. Tests adaptable to an energetic approach; 1.4.2. Validation tests on structures requiring an inverse analysis; 1.5. Synthesis of the experimental data on concrete and associated materials; 1.5.1. Data on cement paste mortar and concrete; 1.5.2. Data available for reinforced concrete; 1.5.3. Data about fiber-reinforced concretes; 1.6. Conclusion;

1.7. Bibliography; Chapter 2. Dynamic Behavior of Concrete: Constitutive Models; 2.1. Dynamics of concrete structures; 2.1.1. Macroscopic phenomena; 2.1.2. Perforation
 2.1.3. Ejection of fragments; 2.1.4. Loading range; 2.1.5. Loading path;
 2.2. Fast dynamics applied to concrete; 2.2.1. Impacts and waves;
 2.2.2. Impact and shock polar curve; 2.2.3. Shock between two solids;
 2.3. Scabbing; 2.4. Effect of a shock wave on the structure of materials;
 2.5. Modeling types; 2.5.1. Behavior description theoretical frames;
 2.5.2. Integrating sensitivity to the strain rate; 2.5.3. Elasto-plasticity and criteria; 2.5.4. Damage; 2.5.5. Notion of a state law; 2.5.6. Location limiter and time sensitivity; 2.6. Models; 2.6.1. Elasticity-based model
 2.6.2. Models based on the theory of plasticity; 2.6.3. Models based on damage mechanics; 2.6.4. Model coupling damage and plasticity; 2.6.5. Model coupling damage and mechanics of porous media; 2.6.6. Model deriving from a hydrodynamic approach; 2.6.7. Endochronic models; 2.6.8. Discrete element method; 2.7. Conclusion; 2.7.1. Main features of the models; 2.7.2. Contribution of distinct elements; 2.8.
 Bibliography; Chapter 3. Seismic Ground Motion; 3.1. Introduction; 3.2. Measuring seismic motions; 3.2.1. Differences between seismological and accelerometer networks
 3.2.2. Accelerometer networks; 3.2.3. Accelerometer data banks; 3.3. Quantitative characterization of seismic movements; 3.3.1. Time maximum values; 3.3.2. Spectral characterizations; 3.3.3. Features of hybrid characterizations; 3.3.4. Caveats regarding differential motions; 3.4. Factors affecting seismic motions; 3.4.1. Spectral signature of the seismic source; 3.4.2. Effects of propagation in the Earth's crust; 3.4.3. Site effects; 3.5. Conclusions; 3.6. Bibliography; Chapter 4. Soil Behavior: Dynamic Soil-Structure Interactions; Introduction; 4.1. Behavior of soils under seismic loading
 4.1.1. Influence of the nature of soils on seismic movements

Sommario/riassunto

While the static behavior of concrete has been the subject of numerous works, the same cannot be said for the dynamic behavior. This book sets out to remedy this situation: it begins by presenting the most frequently used experimental techniques in the study of the dynamic behavior of concrete, then continues by examining seismicity and seismic behavior, soil behavior, models of concrete structures subject to seismic activity, seismic calculation methods of structures, and paraseismic engineering.
