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Titolo	Digital image correlation measurements during gusset plate connection testing to structural failure / / Mark A. Iadicola
Pubbl/distr/stampa	Gaithersburg, MD : , : U.S. Dept. of Commerce, National Institute of Standards and Technology, , 2012
Descrizione fisica	1 online resource (4 unnumbered pages, 118 pages) : illustrations, tables
Collana	NIST technical note ; ; 1752
Soggetti	Gusset plates - Testing Structural failures
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
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Sommario/riassunto	This report describes 3-dimensional (3D) digital image correlation to measure the 3D shape, displacement, and in-plane strain field, during testing of gusset plate structural connections. Twelve full-scale bridge gusset plate connections of various geometries and boundary conditions were tested at the the Federal Highway Administration (FHWA) Turner-Fairbank Highway Research Center (Ocel et al., 2012). These experiments are part of the verification of numerical models as part of NCHRP Project 12-84 Guidelines for the Load and Resistance Factor Design and Rating of Riveted and Bolted Gusset Plate Connections for Steel Bridge. The measurements described here are in regards to the tests performed to failure (i.e., maximum load carrying capacity of the connection). During each of the twelve tests to failure, a series (typically about 150) of image pairs were taken for subsequent digital image correlation analysis. Although all of the image pairs were processed, only a very small portion of the results are presented here. It is intended to give general access to the overall data set for use by other researchers. Overall the measurements, showed reasonable

uncertainties on the order of 150 ?m/m of maximum in-plane shear strain, and the measured out of plane initial shapes of the plates typically matched qualitative inspections of the connections. The layout, calibration, and measurement procedure associated with the digital image correlation system are described in detail to aid in understanding of the results. The results shown here include a sample of the measured and derived variables for one experiment at two conditions to inform the reader of the type of data that is available. The results also include an abbreviated set of results that show the evolution of the out of plane shape and maximum shear strain field at four points in loading from the initial condition to failure.

2. Record Nr.	UNINA9910781422603321
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Titolo	A grammar of Mian [[electronic resource] /] / by Sebastian Fedden
Pubbl/distr/stampa	Berlin, : De Gruyter Mouton, 2011
ISBN	3-11-026419-6
Descrizione fisica	1 online resource (630 p.)
Collana	Mouton grammar library ; ; 55
Disciplina	499.12
Soggetti	Mian language - Grammar Papuan languages
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front matter -- Acknowledgements -- Table of contents -- Abbreviations -- Chapter 1. The language and its speakers -- Chapter 2. Phonology -- Chapter 3. Word classes and grammatical relations -- Chapter 4. Gender -- Chapter 5. Classificatory verb prefixes -- Chapter 6. The noun phrase -- Chapter 7. The postpositional phrase -- Chapter 8. Verb morphology -- Chapter 9. Argument structure and the syntax of the clause -- Chapter 10. Question formation -- Chapter 11. Chaining constructions -- Chapter 12. Operator scope in clause chaining constructions -- Chapter 13. Embedding -- Appendix I. Texts -- Appendix II. Mian-English wordlist -- Notes -- References -- Index

Mian is a non-Austronesian ('Papuan') language of the Ok family spoken in the Highlands fringe in western Papua New Guinea. Mian has approximately 1,400 speakers and is highly endangered. This grammar is the first comprehensive description of the language. It is based on primary field data consisting of a text corpus that covers different genres of the oral tradition, namely myths and ancestor stories, historical accounts, accounts of the initiation ritual, conversations, and procedural texts. The corpus was recorded by the author during a total of eleven months of field work from 2004 to 2008. The book provides a thorough description of all areas of Mian grammar and gives an in-depth analysis of many points of typological interest, such as the complex system of lexical tone, the interaction between a gender system and a system of classificatory prefixes on verbs of object movement, manipulation or handling, which allows the highlighting of certain characteristics of a referent in a given situation, the complex verbal morphology which allows fine-grained tense-aspect-mood distinctions, and a switch-reference system in which switch-reference suffixes on medial verbs are homophonous with and derived from suffixes functioning as tense and aspect markers in final verbs. The book is rounded off by a collection of traditional and contemporary texts (fully glossed and translated) and a word list comprising some 1,600 items, giving lexical tone, word class and meaning.
