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Autore	D'ANTONA, Ottavio
Titolo	Introduzione alla matematica discreta / Ottavio D'Antona
Pubbl/distr/stampa	Milano : Apogeo, c1999
ISBN	88-7303-478-0
Descrizione fisica	XIV, 218 p : ill. ; 24 cm
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Soggetti	Calcolo combinatorio Logica matematica
Collocazione	512 DAN
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910824748503321
Autore	Chen Jianxun
Titolo	Development of soft particle code (SPARC) // Chien-Hsun Chen
Pubbl/distr/stampa	Berlin : , : Logos, , [2015]
ISBN	3-8325-9462-0
Descrizione fisica	1 online resource (185 pages) : illustrations
Collana	Advances in Geotechnical Engineering and Tunneling ; ; 21
Disciplina	624.151
Soggetti	Geotechnical engineering Granular materials
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Nota di bibliografia	Includes bibliographical references.
Sommario/riassunto	Long description: This work aims at developing a numerical simulation method, Soft PARTicle Code (SPARC). The term textitsoft emphasizes

that no boundaries between particles are defined and every particle possesses a support consisting of a set of adjacent particles. The polynomial interpolation/approximation method is utilized for the evaluation of spatial derivatives using the information carried by particles in supports. The system of equations consisting of spatial derivatives is solved using an iterative nonlinear solver and the computation of the Jacobian matrix is parallelized. The simulations of laboratory tests have been carried out to show the applications and limitations of the current version of SPARC. In addition to the simulations, laboratory (zig-zag) model tests using fine sand were carried out, in which the cyclic tilt of a retaining wall induces a peculiar motion in the backfill (sand), with closed trajectories (eddies).
