

Photovoltaic support foundation plum blossom pile



Overview

In order to solve the technical problems, the invention provides a plum blossom-shaped pile foundation anchor rod composite foundation structure and a construction method thereof, which can better avoid hole inclination and have high hole forming quality; the. In order to solve the technical problems, the invention provides a plum blossom-shaped pile foundation anchor rod composite foundation structure and a construction method thereof, which can better avoid hole inclination and have high hole forming quality; the. Previous studies found that the strengthening mechanism of piles in composite foundation is related to the cross sectional shape of piles. However, the mechanism of plum blossom cast-in-place pile (plum blossom pile), as a novel kind of pile, strengthening mechanism is still unclear. Photovoltaic modules constitute the photovoltaic array of a photovoltaic system that generates and supplies solar electricity improved in order to withstand the wind load. The same applies of course to adjustable designs to an even greater extent. The. The special - shaped pile composite foundation has many advantages and is widely used. There was no direct test.

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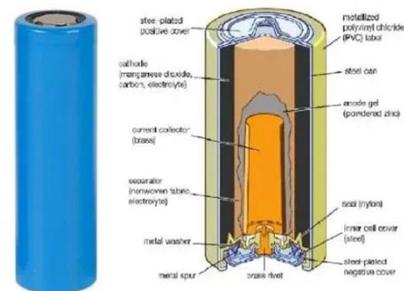
Strengthening mechanism of plum blossom pile composite foundation

The load-vertical displacement characteristics of composite foundation and the variation of soil around piles are analyzed, and compared with circular piles with same cross sectional area.

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An analytical solution for load transfer mechanism of Plum blossom ...

Abstract Plum blossom pile, a recently developed non-cylindrical pile, exhibits a load transfer mechanism distinct from conventional circular piles due to its unique cross-section. This ...



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The invention relates to a plum blossom-shaped pile foundation anchor rod composite foundation structure and a construction method thereof, which are applied to the technical field of

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strengthening-mechanism-of-plum-blossom-pile-composite-foundation ...

The compaction transition zone and stress distribution around plum blossom pile are analyzed, and the load transfer mechanism of plum blossom pile is summarized.

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An analytical solution for load transfer mechanism of ...

The proposed analytical method provides an effective approach for describing the bearing behavior of the plum blossom pile.

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Strengthening mechanism of plum blossom pile composite foundation

The research results can provide



technical guidance for the design of the plum blossom pile composite foundation.

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Photovoltaic support pile foundation stress performance

Photovoltaic support foundations are important components of photovoltaic generation systems, which bear the self-weight of support and photovoltaic modules, wind, snow, earthquakes and other loads.



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Photovoltaic pipe pile support design drawing

To study the frost jacking performance of photovoltaic support steel pipe screw pile foundations in seasonally frozen soil areas at high latitudes and low altitudes and prevent

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