Eutectic eutectoid peritectic peritectoid

????????????,??,????????????????,??:1)????????????;2)???????? ...

The carbon equivalent calculation for steel is carried out on the basis of the chemical composition (preferably the product analysis). The value is used to estimate hardening and susceptibility to cold cracking during welding. ...

Optimizing complex synthesis processes remains a significant challenge in materials science, particularly when high phase purity must be achieved in complex multivariable systems with ...

????????????????-?-????,??????-TTG-????????????????????-??? ...

The laser cladding (LC) of titanium matrix composite coatings (TMCCs) on titanium components not only effectively enhances the wear resistance, fatigue resistance, corrosion resistance, and ...

To inhibit solid-state phase transitions and optimize interfacial stability, Permalloy was added to the weld. The original solid-state eutectoid reaction (R (Fe5Mo3) -> a-Fe + m (Fe3Mo2)) was ...

In this work, we propose that the preferential accumulation of dissolved ions in the interfacial layer and the resulting depletion of the ions in the core of the pore solution are the key factors ...

With the ability to truly make a bad day worse, this paper uncovers several examples of eutectic reactions, the costs that this "metallurgical experiment" can have on your load and furnace, and what steps you should ...

The superior atomic mobility in the liquid (eutectic formation) compared to the solid (eutectoid formation) necessitates investigation of interfacial coherence between the eutectic reaction ...

Web: https://ichipcorp.co.za