

Ausgewählte Publikationen zum Forschungsschwerpunkt

Erstarrung und Wärmespannungen beim Strangguss von Metallen

Penumakala, P.K.; Nallathambi, A.K.; Specht, E.; Urlaub, U.; Hamilton, D.; Dykes, Ch.:
Influence of process parameters on solidification length of twin-belt continuous casting.
Applied Thermal Engineering 134 (2018) 275-286.

Penumakala, P.K.; Nallathambi, A.K.; Specht, E.; Urlaub, U.; Unifantowicz, P.:
Theoretical estimation of solidification length of continuously cast metals.
Applied Thermal Engineering 84 (2015) 286-291.

Penumakala, P.K.; Nallathambi, A.K.; Specht, E.; Bertram, A.:
Mechanical behavior of mushy zone in DC casting using a viscoplastic material model.
Technische Mechanik, Volume 32, Issue 2, 2012, 342-357.

Penumakala, P.K.; Nallathambi, A.K.; Specht, E.:
Modeling solidification microstructure of steel in Twin-Belt Caster.
AIST Steel properties and Applications Conference Proceedings - Combined with MS and T'12,
Materials Science and Technology 2012 , 575-583.

Penumakala, P.K.; Nallathambi, A.K.; Specht, E.; Bertram, A.:
Modeling of Thermal Stresses in Continuous Casting of Steel Alloys.
International Congress on Computational Mechanics and Simulation (ICCMS), IIT Hyderabad, 10-12
December 2012.

Nallathambi, A.K.; Tyagi, M.; Specht, E.; Bertram, A.:
Thermomechanical Analysis of Direct Chill Casting using Finite Element Method.
Transactions of the Indian Institute of Metals, Vol. 64, Issues 1 & 2, February-April 2011, 13-19.