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Title: Analysis of the non-uniform thermal behavior in slab continuous casting mold based on the inverse finite-element model

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1) A full finite-element model of mold had been built to reveal the real thermal behavior in mold..
2) An inverse algorithm was applied to obtain the real heat flux distributions in mold.
3) The nickel layer was taken into account and the arc-shaped water slots were also considered.
4) The distribution of temperature in four copper plates showed non-uniform characters.

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