

RESEARCH NOTES

中心降料管的料仓中垂直应力分布实验研究

景山^a, 易江林^b, 王金福^b, 汪展文^b, 金涌^b

^a Institute of Nuclear Energy Technology, Tsinghua University, Beijing 102201, China

^b Department of Chemical Engineering, Tsinghua University, Beijing 100084, China

收稿日期 修回日期 网络版发布日期 接受日期

摘要 The distribution of vertical stress for both active and passive state in the silo with a central innerdowncomer is reported in this paper. Experimental measurement of the axial distribution of vertical stress for both active and passive state in the silo are in good agreement with that predicted by theoretical analysis. The meanaxial stress is reduced due to the presence of the inner downcomer in the silo.

关键词 [silo](#) [inner downcomer](#) [vertical stress distribution](#)

分类号

DOI:

An Experimental Study on Distribution of Vertical Stress in a Silo with a Central Inner Downcomer

JING Shan^a, YI Jianglin^b, WANG Jinfu^b, WANG Zhanwen^b, JIN Yong^b

^a Institute of Nuclear Energy Technology, Tsinghua University, Beijing 102201, China

^b Department of Chemical Engineering, Tsinghua University, Beijing 100084, China

Received Revised Online Accepted

Abstract The distribution of vertical stress for both active and passive state in the silo with a central innerdowncomer is reported in this paper. Experimental measurement of the axial distribution of vertical stress for both active and passive state in the silo are in good agreement with that predicted by theoretical analysis. The meanaxial stress is reduced due to the presence of the inner downcomer in the silo.

Key words [silo](#); [inner downcomer](#); [vertical stress distribution](#)

通讯作者:

景山

作者个人主页: 景山^a; 易江林^b; 王金福^b; 汪展文^b; 金涌^b

扩展功能

本文信息

▶ [Supporting info](#)

▶ [PDF](#) (952KB)

▶ [\[HTML全文\]](#) (0KB)

▶ [参考文献](#)

服务与反馈

▶ [把本文推荐给朋友](#)

▶ [加入我的书架](#)

▶ [加入引用管理器](#)

▶ [引用本文](#)

▶ [Email Alert](#)

▶ [文章反馈](#)

▶ [浏览反馈信息](#)

相关信息

▶ [本刊中 包含“silo”的 相关文章](#)

▶ 本文作者相关文章

· [景山a](#)

· [易江林b](#)

· [王金福b](#)

· [汪展文b](#)

· [金涌b](#)