

## 液压挖掘机工作装置铰点轴和轴套间隙计算模型

杜文靖 王国强 崔国华 杨军

吉林大学

**关键词:** 液压挖掘机 工作装置 铰点轴 配合间隙 数学模型

**摘要:** 分析了挖掘机工作装置铰点轴和轴套配合间隙不合理引发的故障机理。提出了铰点轴和轴套间最小间隙和最大间隙的计算方法,并对计算分析得出的间隙取值与国外同类产品进行了比较。研究表明,提出的铰点轴与轴套间隙的计算理论及方法是可行的。Failure mechanism caused by irrationality selection on fitting clearance between hinge shaft and shaft sleeve of hydraulic excavator working equipment was briefly analyzed. A new calculated theory and method on fitting clearance between hinge shaft and shaft sleeve was put forward. And the calculated method was proved by analyzing a kind of excavator working equipment. The result showed that the method of determining the fitting clearance between hinge shaft and shaft sleeve is useful.

[查看全文](#) [返回首页](#)

[引用本文](#)