

## CONTRIBUTIONS TO RING SPINNING FRAMES DYNAMICS

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**Abstract:** There have been major advances in understanding how dynamics works to prevent damages of ring frames and this new knowledge has led to a more rational approach to the use of specific studies to develop the construction of this type of spinning machines. The different stages during the machine running are analyzed by the help of a complete differential equation built on kinematic and dynamic parameters specific to the main ring frame components.

**Key words:** ring frames, spinning, textile spindles.