

## **DYNAMICS OF YARNS PRODUCED ON RING SPINNING FRAMES – A MATHEMATICAL MODEL**

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**Abstract:** Most spinning machines have moving parts and require a very careful analysis concerning their dynamic responses for a high accuracy of the technological process. This may require the use of enabling a theoretical and experimental study as a key factor in the design philosophy for ring frames. By the way, the paper takes in account some aspects on the yarn dynamics specific to this type of spinning machines.

**Key words:** ring frames, spinning, yarn.