

AESTHETIC SURFACES BASED ON ARCHIMEDES CIRCLES AND SPIRALS GENERATED BY VIBRO-ROLLING

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In this paper are presented the procedures at vibro-rolling by which can be obtained surfaces that have flaws with regular forms with particularly aesthetic appearance. These surfaces may be exterior surfaces of some products, such as should be aesthetic, too.

For surfaces in contact with relative motions certain relief's benefit lubricant penetration.

Some surfaces can be obtained by Kinematics generation starting from circles and then Archimedean Spirals. It is presented examples of some surfaces with great aesthetics.

In fig.1 a surface obtained on the basis of some circles is presented. Also. in fig.2 a surface obtained by Archimedean spirals is shown.

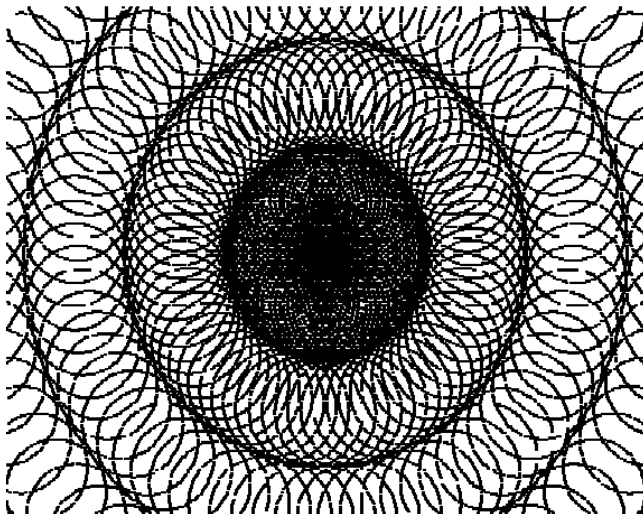


Fig.1. Surface generated by circles

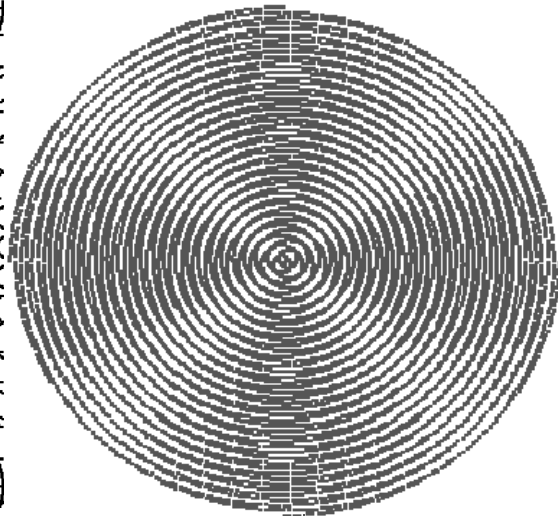


Fig.2. Surface generated by Archimedean spirals

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