Title IN ENGLISH LANGUAGE

**Name and SURNAME of the author – name and SURNAME of the author**

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**ABSTRACT:** Xxxxxx

**Key words:** xxxxxxx

# introduction

The original scientific paper must not exceed **10 pages** (in the journal paper template style) including references and appendices. The structure of the manuscripts must be as follows:

# 1 xxxxx

Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx.

 (1)

*r - vzdialenosť bodu izopachy od špičky trhliny [m]*

*a - rozmer trhliny [m]*

*θ - uhol izopachy v závislosti od r [˚]*

*σ - F/S - celkové napätie (zaťaženie) [MPa]*

*σx, σy, σxy - hlavné napätia v smere osi x, y, xy [MPa]*

Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

Xxxxxxxxxxxxxxxxxx



Figure 1 Xxxxxxx

Table1 Xxxxxxxx

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Uhol Θ [˚]** | **0** | **20** | **40** | **60** | **80** | **100** | **120** | **140** | **160** | **180** |
| **σx [MPa]** | 0,131 | 0,105 | 0,075 | 0,042 | 0,035 | 0,044 | 0,062 | 0,065 | 0,039 | 0 |
| **σy [MPa]** | 0,131 | 0,125 | 0,129 | 0,127 | 0,125 | 0,100 | 0,062 | 0,024 | 0,003 | 0 |
| **σxy [MPa]** | 0 | 0,0174 | 0,0171 | 0 | -0,026 | -0,048 | -0,054 | -0,036 | -0,011 | 0 |

**1.1 Xxxxxxx**

Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

**REFERENCES**

KUČERA, M., KOVÁČ, J., 2012. Degradácia olejových náplní v prevádzkových podmienkach. Zvolen: TU vo Zvolene. ISBN 978-80-228-2427-9.

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