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## MANUFACTURING OF BIOMEDICAL COMPONENTS

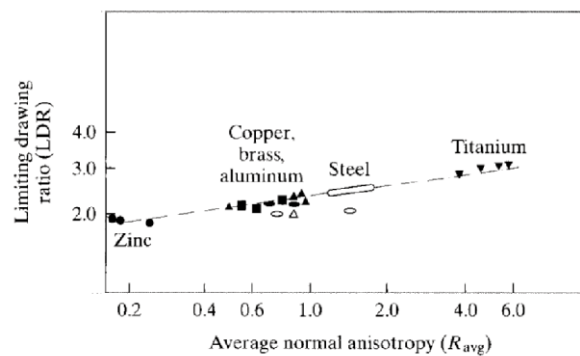
## Written exam

surname: ..... name: ..... matr. n°:...../ .....

1. A certain metal alloy is characterized by the following plastic flow law  $\sigma = 1200\epsilon^{0.35}$ . Determine its value of ultimate tensile strength (UTS). (4 points)

[illegible]

2. Determine the drawing limit ratio (LDR) for a sheet metal having  $R_0$ ,  $R_{45}$  and  $R_{90}$  equal to 0.9, 1.7 and 1.8, respectively. Clarify whether or not the material is characterized by good formability. (4 points)

[illegible]

[illegible]

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