Consider the stress relaxation process discussed in the [Module 13 Lecture](https://jhu.instructure.com/courses/94662/pages/module-13-lectures). The maximal and minimal values of the stress are reached at the beginning and the end (equilibrium moment) of the process. Use the results of the lecture and estimate the stress drop as a result of relaxation. Consider the cases of 50% and 70% porosity.

A diagram of a scaffold strain

AI-generated content may be incorrect.

|  |  |  |  |
| --- | --- | --- | --- |
| Scaffold Porosity | Max. Stress (kPa) | Min. Stress (kPa) | Stress Drop due to relaxation (kPa) |
| 50% | 3.5 | 2 | 3.5 – 2= **1.5** |
| 70% | 2.6 | 1.3 | 2.6 – 1.3 = **1.3** |