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|  |  |
| --- | --- |
| CONSTANTS |  |
| Time when strain becomes constant (sec) |  |
| Strain rate (/sec) |  |
| Poisson’s ratio |  |
| Young’s modulus (kPa) |  |
|  |  |
| FITTED PARAMETERS |  |
| Viscoelastic parameter |  |
| Viscoelastic parameter |  |
| Poisson’s ratio |  |
| Young’s modulus (kPa) |  |
| Gel diffusion time (sec) |  |
|  |  |
| SPECIAL VARIABLES |  |
| Time-space |  |
| Laplace-space |  |
|  |  |

**All other variables should be defined from the above.**

Note- **S** or **Sij** is shorthand for the matrix of all the S’s. Thus, a function of **S** is a function of actually 9 S parameters (plus any other additional parameters).

## SUPPORTING EQUATIONS



Confirm below simplification for equation 5.



Confirm below simplification for Equation 8

For the fitted parameter

## FINAL EQUATION

Divided by to make equation formatted better

