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KEYWORDS: BEA ... EE ... A ... E ... E ... C ... C ... E, A D E ... BA ... E

INTRODU

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3.  $\frac{1}{2} \ln \frac{1}{2} = -\frac{1}{2} \ln 2 = -0.3466$   
 $\ln 3 = 1.0986$   
 $\ln 4 = 1.3863$   
 $\ln 5 = 1.6094$   
 $\ln 6 = 1.7918$   
 $\ln 7 = 1.9459$   
 $\ln 8 = 2.0794$   
 $\ln 9 = 2.1972$   
 $\ln 10 = 2.3026$   
 $\ln 11 = 2.3979$   
 $\ln 12 = 2.4849$   
 $\ln 13 = 2.5649$   
 $\ln 14 = 2.6391$   
 $\ln 15 = 2.7081$   
 $\ln 16 = 2.7726$   
 $\ln 17 = 2.8332$   
 $\ln 18 = 2.8904$   
 $\ln 19 = 2.9447$   
 $\ln 20 = 2.9957$   
 $\ln 21 = 3.0445$   
 $\ln 22 = 3.0943$   
 $\ln 23 = 3.1371$   
 $\ln 24 = 3.1781$   
 $\ln 25 = 3.2189$   
 $\ln 26 = 3.2581$   
 $\ln 27 = 3.2958$   
 $\ln 28 = 3.3322$   
 $\ln 29 = 3.3671$   
 $\ln 30 = 3.4012$   
 $\ln 31 = 3.4339$   
 $\ln 32 = 3.4659$   
 $\ln 33 = 3.4971$   
 $\ln 34 = 3.5273$   
 $\ln 35 = 3.5564$   
 $\ln 36 = 3.5852$   
 $\ln 37 = 3.6138$   
 $\ln 38 = 3.6421$   
 $\ln 39 = 3.6693$   
 $\ln 40 = 3.6962$   
 $\ln 41 = 3.7228$   
 $\ln 42 = 3.7491$   
 $\ln 43 = 3.7743$   
 $\ln 44 = 3.7993$   
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 $\ln 46 = 3.8487$   
 $\ln 47 = 3.8731$   
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 $\ln 50 = 3.9453$   
 $\ln 51 = 3.9691$   
 $\ln 52 = 3.9927$   
 $\ln 53 = 4.0161$   
 $\ln 54 = 4.0393$   
 $\ln 55 = 4.0623$   
 $\ln 56 = 4.0851$   
 $\ln 57 = 4.1077$   
 $\ln 58 = 4.1301$   
 $\ln 59 = 4.1523$   
 $\ln 60 = 4.1743$   
 $\ln 61 = 4.1961$   
 $\ln 62 = 4.2177$   
 $\ln 63 = 4.2391$   
 $\ln 64 = 4.2603$   
 $\ln 65 = 4.2813$   
 $\ln 66 = 4.3021$   
 $\ln 67 = 4.3227$   
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 $\ln 69 = 4.3633$   
 $\ln 70 = 4.3833$   
 $\ln 71 = 4.4031$   
 $\ln 72 = 4.4227$   
 $\ln 73 = 4.4421$   
 $\ln 74 = 4.4613$   
 $\ln 75 = 4.4803$   
 $\ln 76 = 4.5001$   
 $\ln 77 = 4.5197$   
 $\ln 78 = 4.5391$   
 $\ln 79 = 4.5583$   
 $\ln 80 = 4.5773$   
 $\ln 81 = 4.5961$   
 $\ln 82 = 4.6147$   
 $\ln 83 = 4.6331$   
 $\ln 84 = 4.6513$   
 $\ln 85 = 4.6693$   
 $\ln 86 = 4.6871$   
 $\ln 87 = 4.7047$   
 $\ln 88 = 4.7221$   
 $\ln 89 = 4.7393$   
 $\ln 90 = 4.7563$   
 $\ln 91 = 4.7731$   
 $\ln 92 = 4.7897$   
 $\ln 93 = 4.8061$   
 $\ln 94 = 4.8223$   
 $\ln 95 = 4.8383$   
 $\ln 96 = 4.8541$   
 $\ln 97 = 4.8697$   
 $\ln 98 = 4.8851$   
 $\ln 99 = 4.8903$   
 $\ln 100 = 4.8951$

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The first part of the document discusses the importance of understanding the interaction between different variables in a system. It highlights that while individual components may have predictable behaviors, their combined effects can be complex and non-linear. This is particularly true in systems where feedback loops and time-dependent processes are involved.

The second part of the document focuses on the specific interactions between variables A and B. It notes that the relationship between these two variables is not simply additive or multiplicative, but rather involves a complex interplay that can only be fully understood through detailed experimental or simulation-based analysis.

The third part of the document discusses the implications of these interactions for system design and control. It emphasizes that engineers and researchers must carefully consider how different components will interact over time and under various conditions to avoid unexpected behaviors and ensure the system's overall stability and performance.

Fig.2 - Comparison of shear stress profiles for different time intervals (1: 15min, 1: 5min, 1: 15min) and for different time intervals (2: 15min, 2: 5min, 2: 15min) under various conditions. The profiles show the distribution of shear stress across the system at different stages of the process.

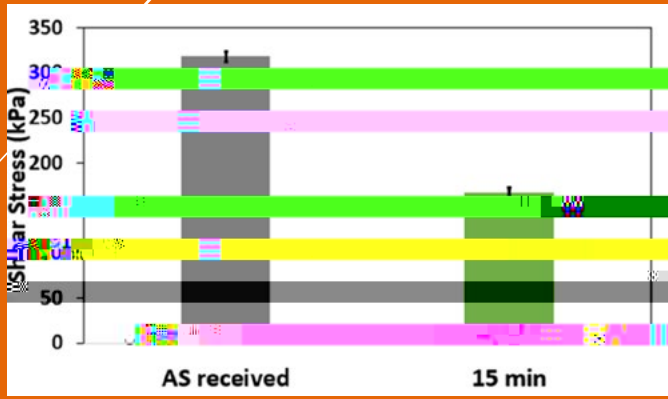


Fig.3 - Comparison of shear stress profiles for different time intervals (1: 15min, 1: 5min, 1: 15min) and for different time intervals (2: 15min, 2: 5min, 2: 15min) under various conditions. The profiles show the distribution of shear stress across the system at different stages of the process.

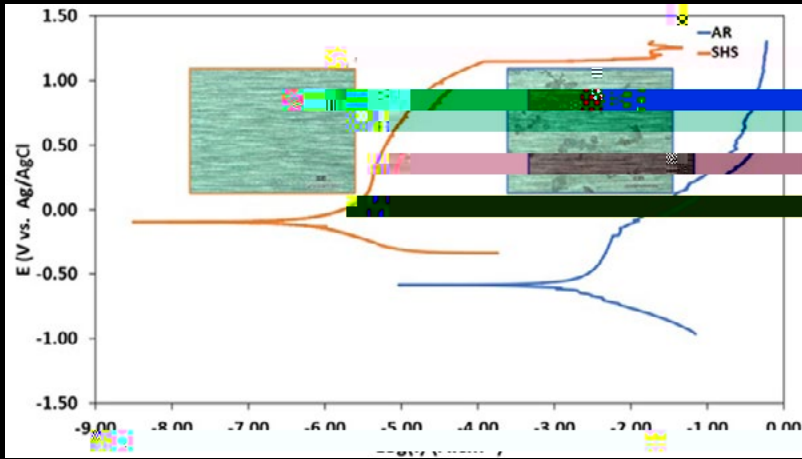


Fig.4 -



