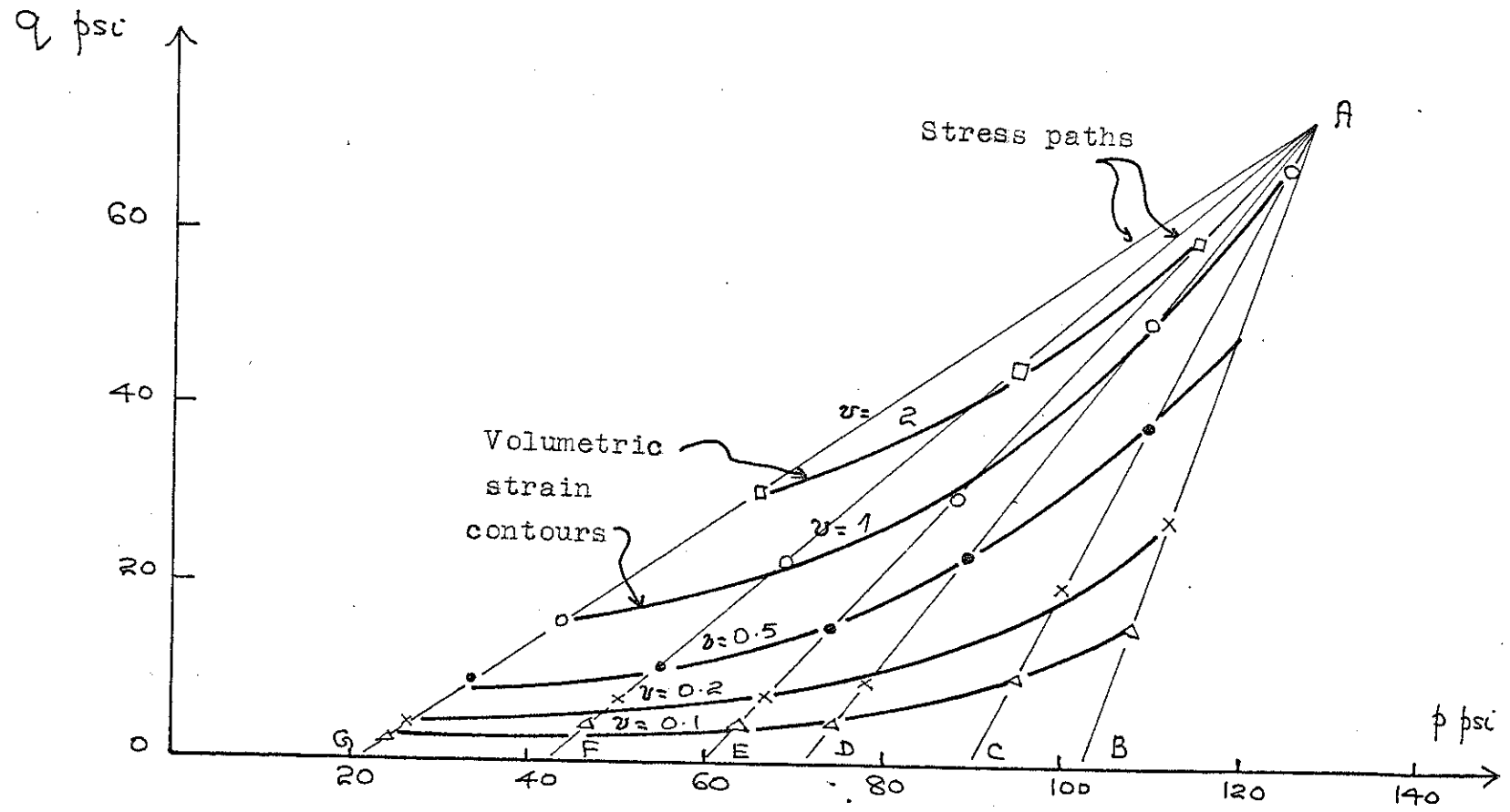

Fig. 7.54 Volumetric strain contours of specimen CB during reloading to stress ratio $\eta_s = 0.68$

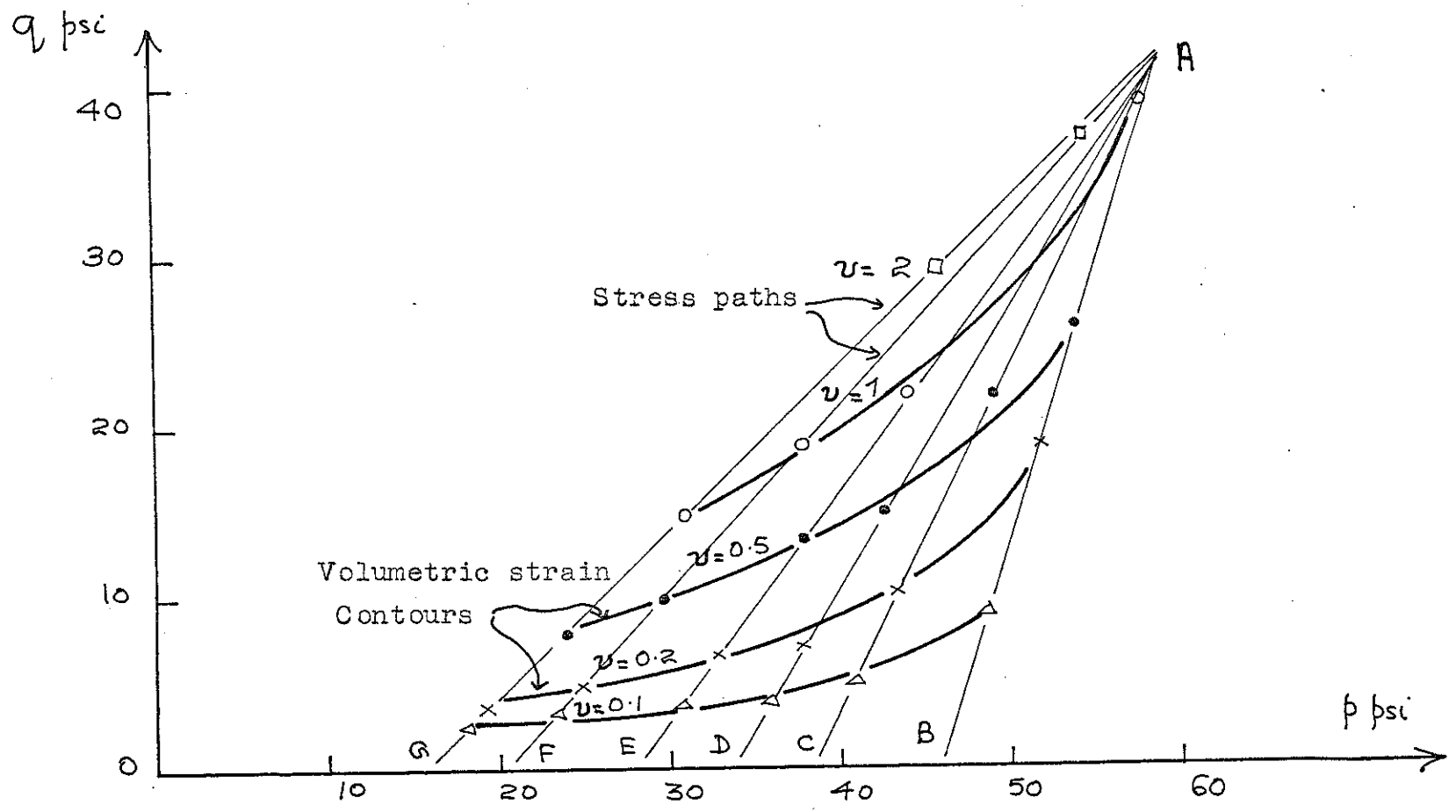

Fig. 7.55. Volumetric strain contours of specimen T_{I6} during reloading to stress ratio $\eta_s = 0.75$

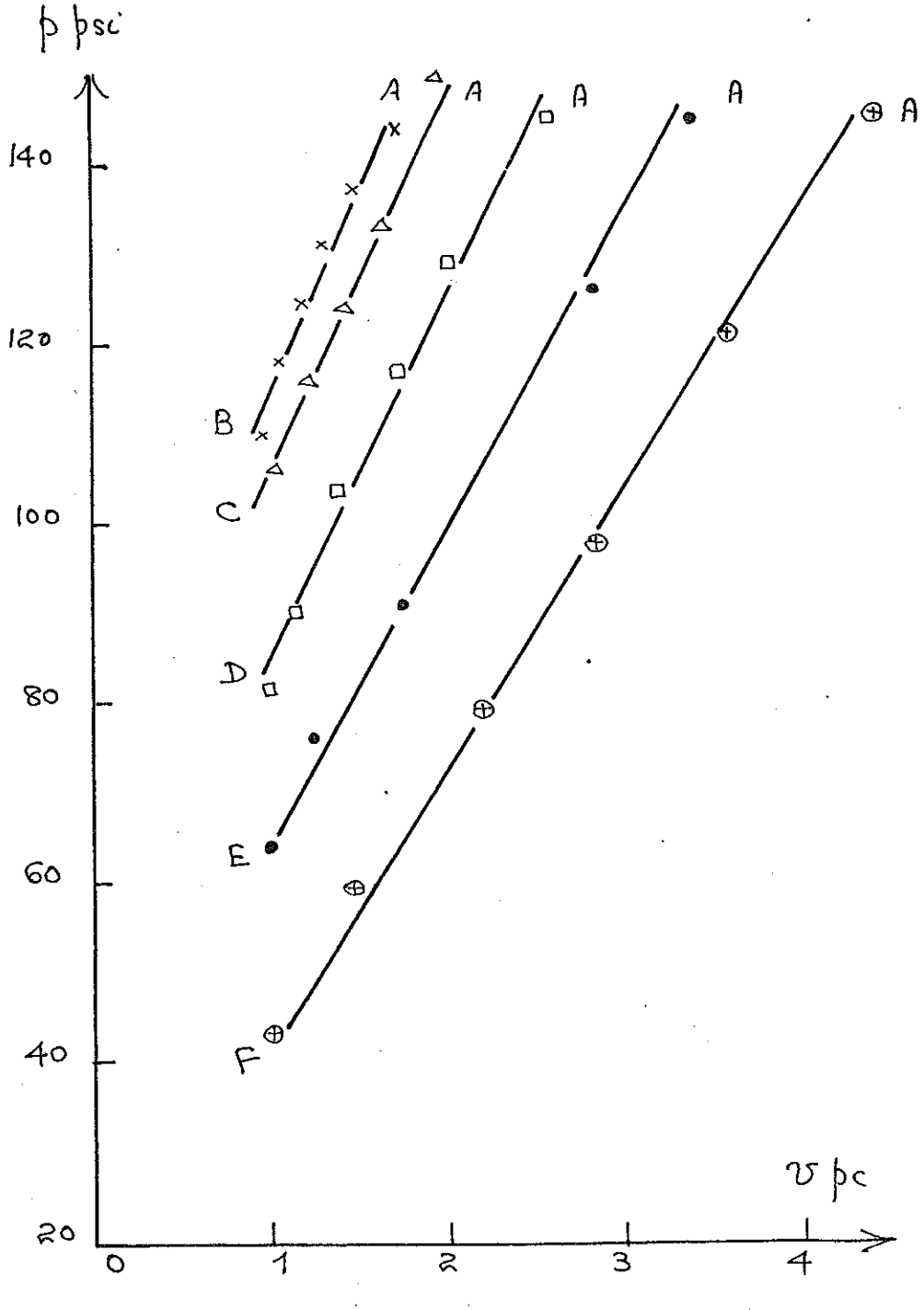

Fig. 7.56. The (p , v) characteristics of specimen CG during reloading to stress ratio $\eta_s = 0.34$

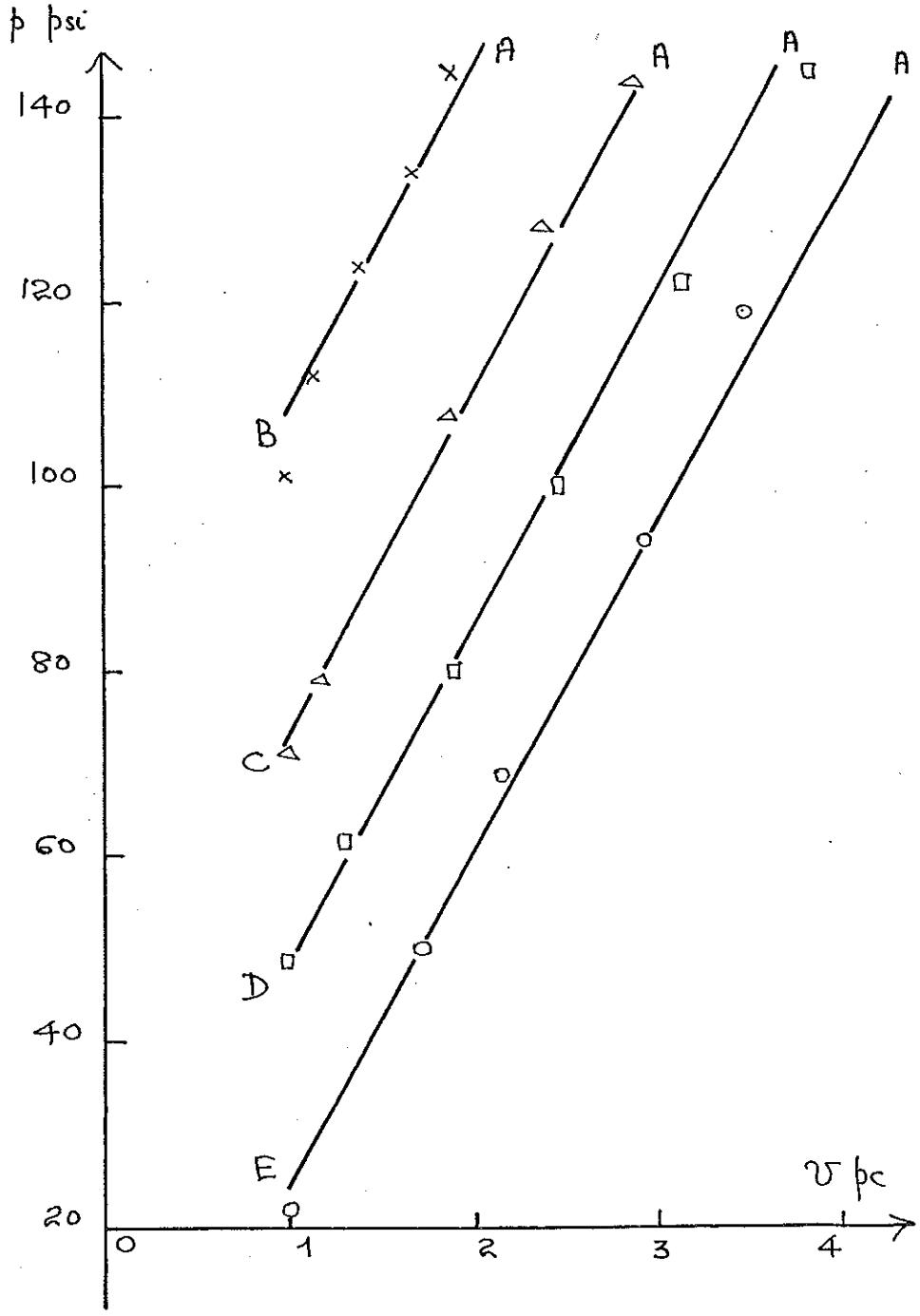

Fig. 7.57 The (p , v) characteristics of specimen CG during reloading to stress ratio $\eta_s = 0.53$

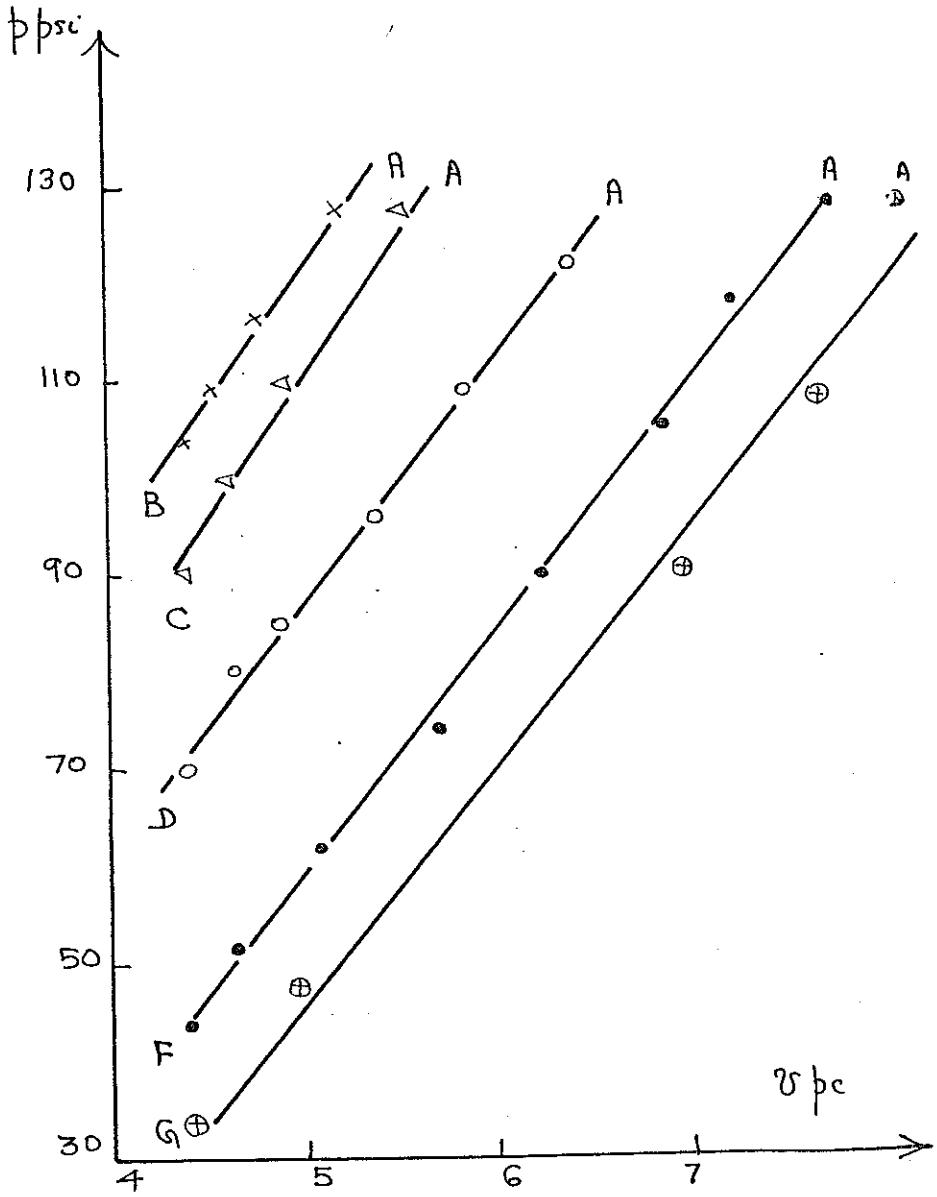

Fig. 7.58 The (p , v) characteristics of specimen CB during reloading to stress ratio $\eta_s = 0.58$

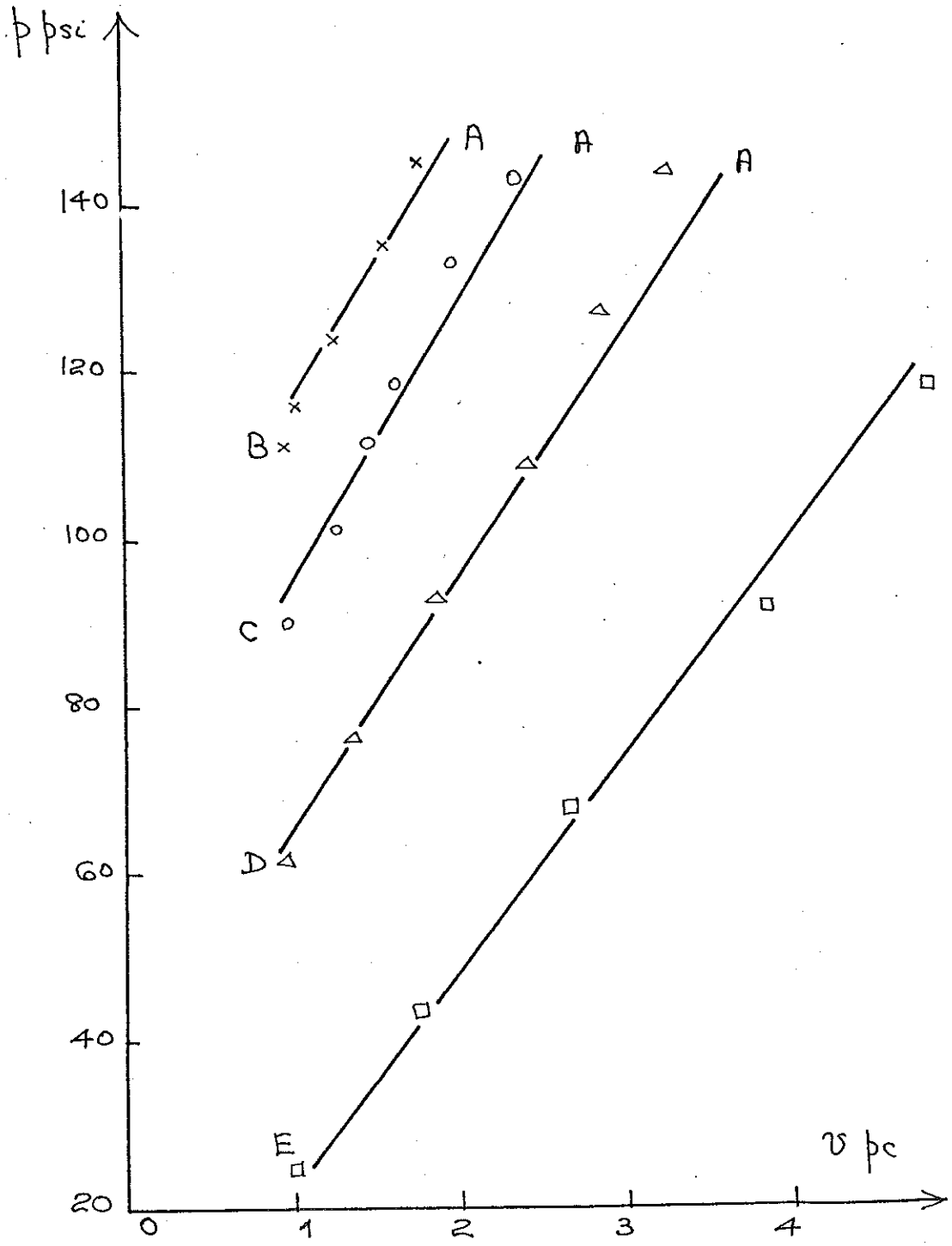

Fig. 7.59. The (p , v) characteristics of specimen CG during reloading to stress ratio $\eta_s = 0.68$

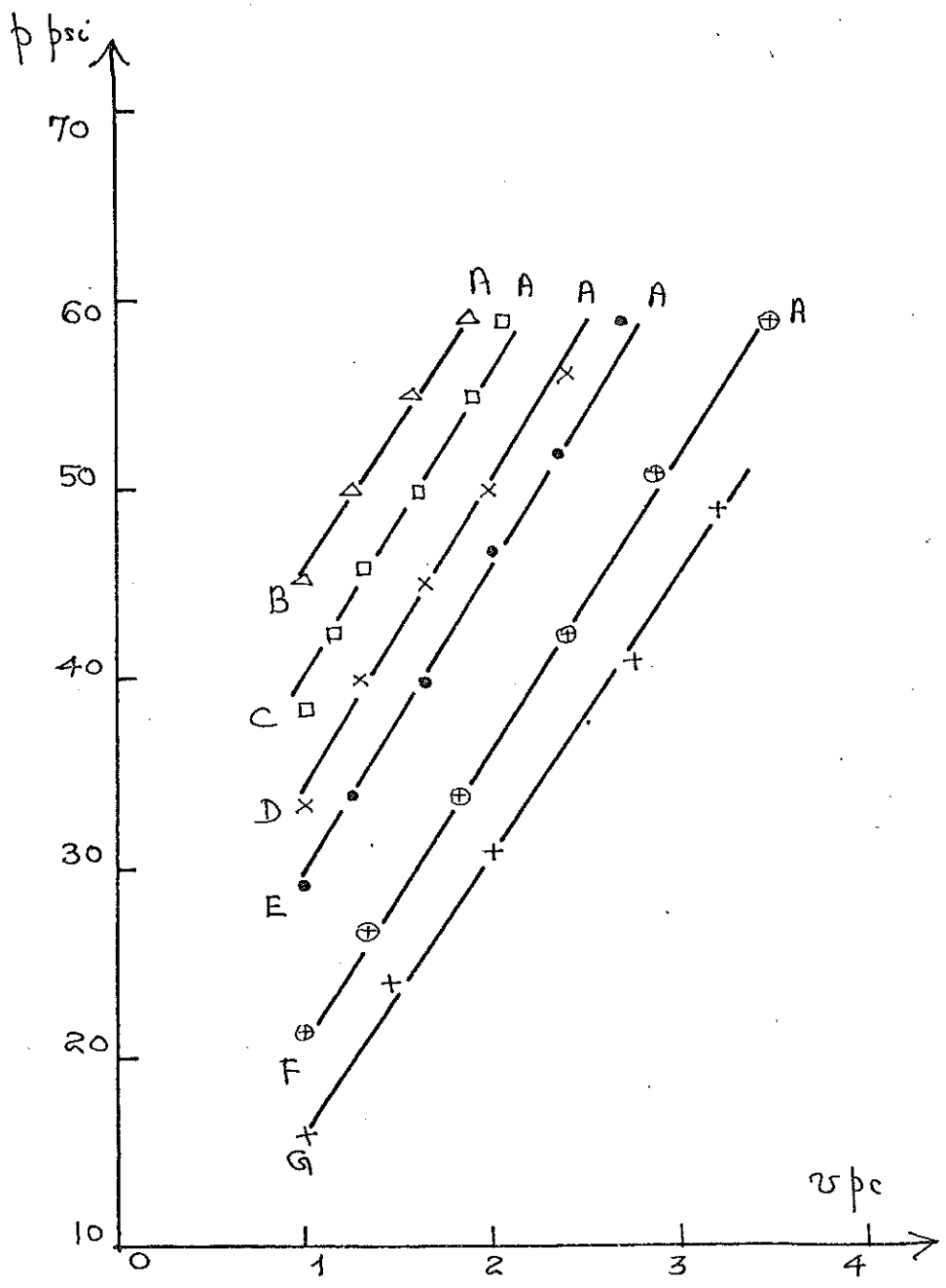

Fig. 7.60. The (p , v) characteristics of specimen T_{I6} during reloading to stress ratio $\eta_s = 0.75$

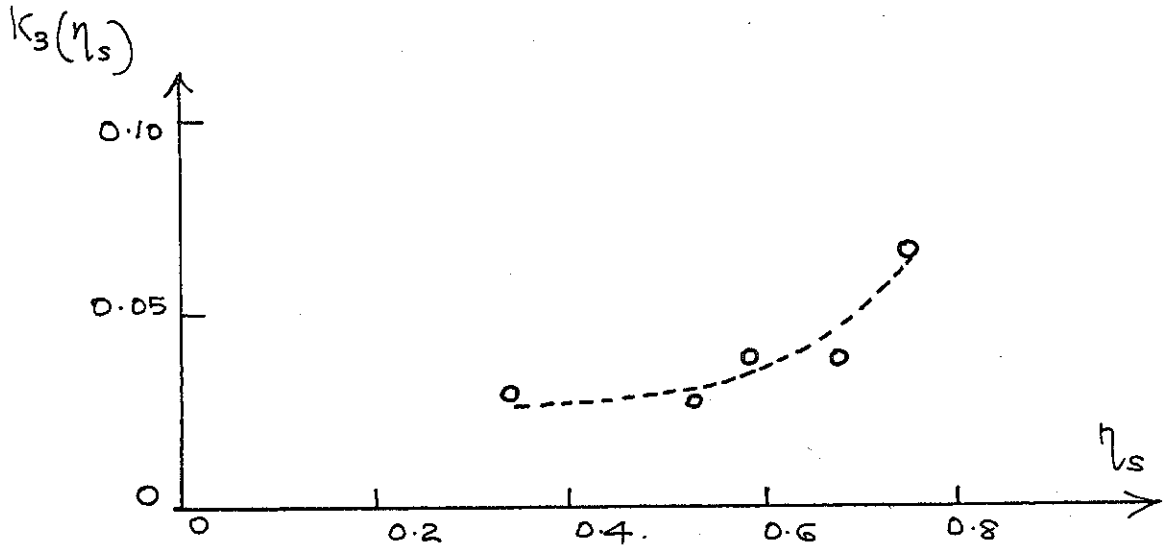

Fig. 7.61. Variation of $k_3(\eta_s)$ with the stress ratio η_s

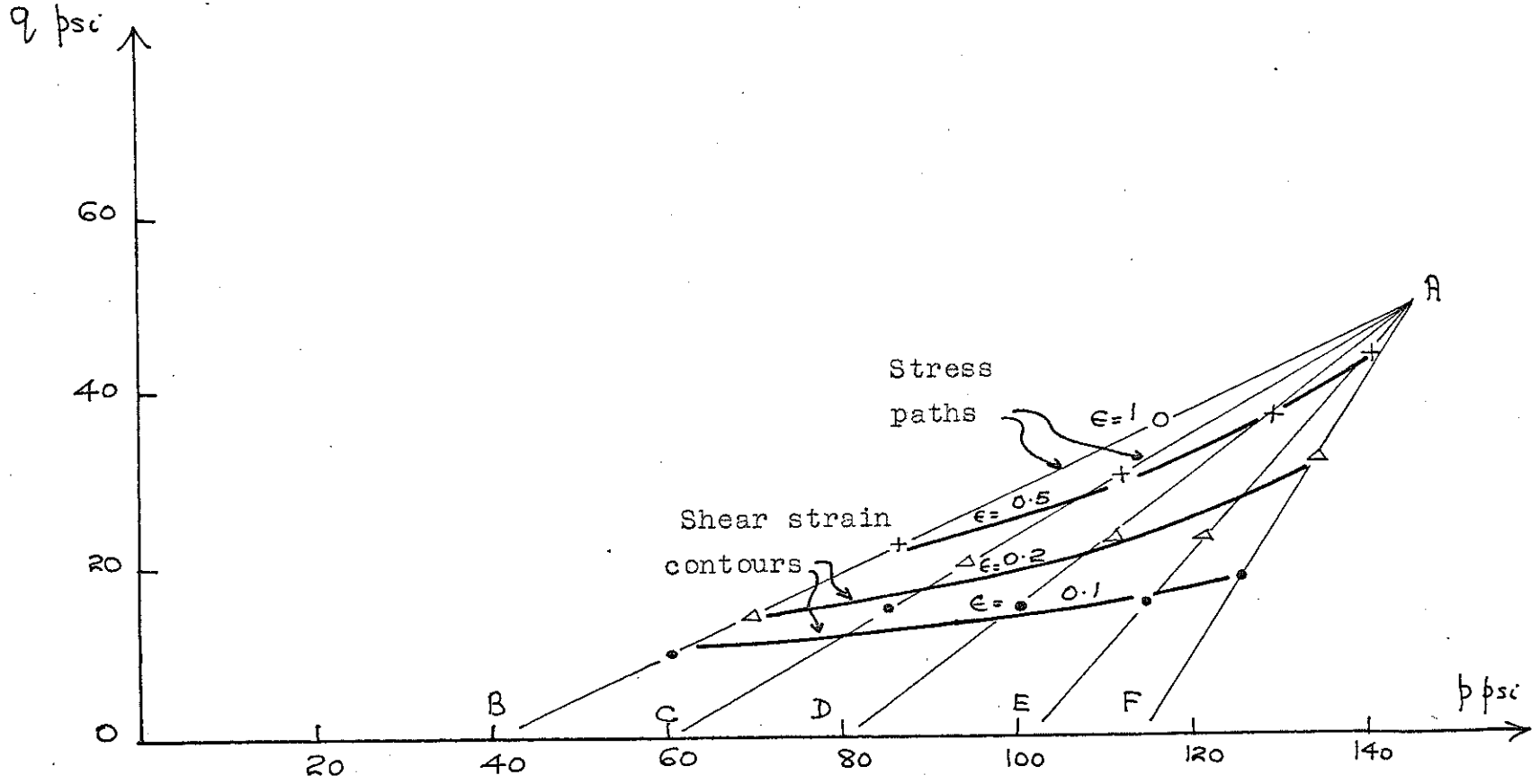

Fig. 7.62. Shear strain contours of specimen CG during reloading to stress ratio $\eta_s = 0.34$

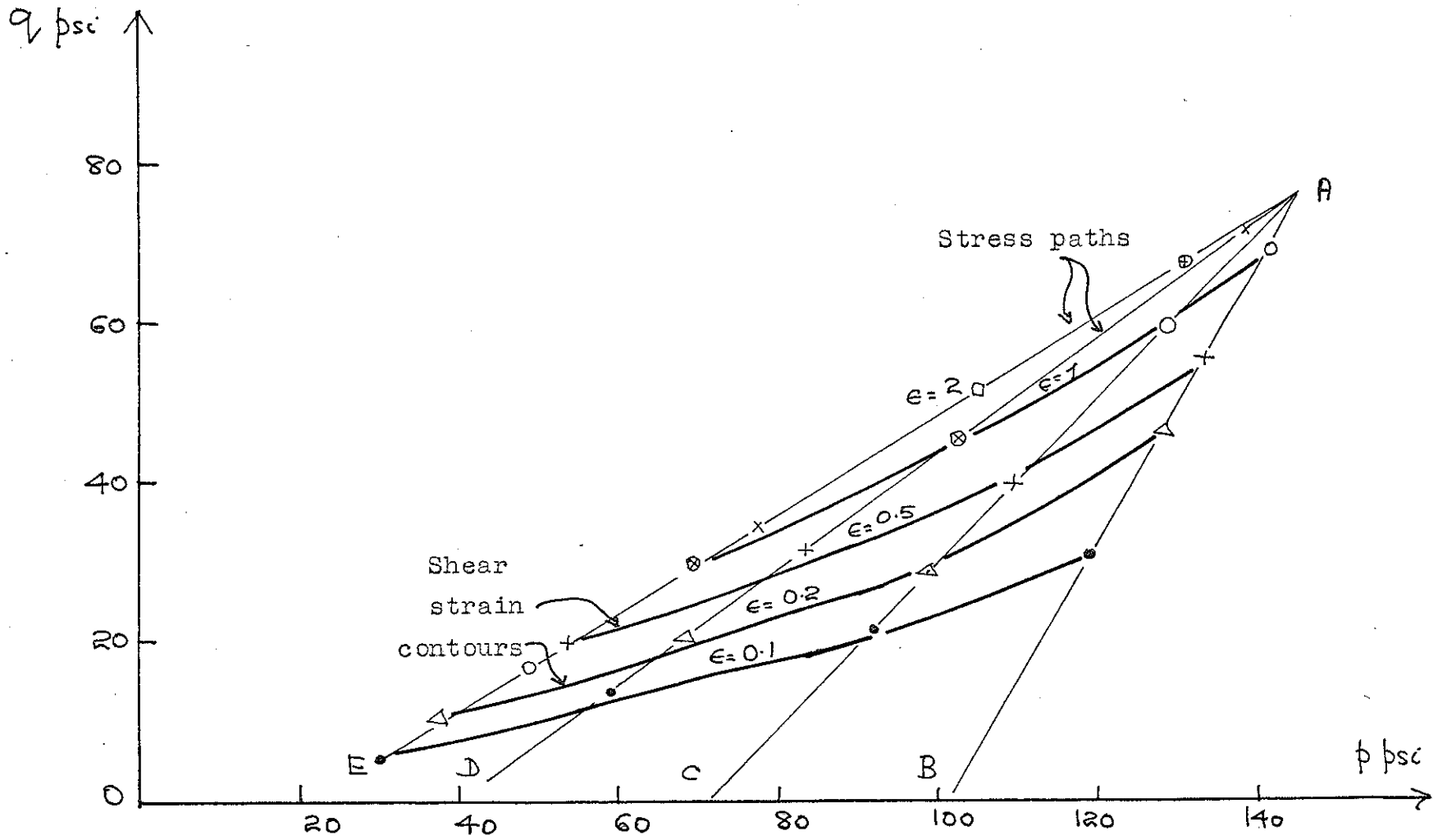

Fig. 7.63. Shear strain contours of specimen CG during reloading to stress ratio $\eta_s = 0.53$

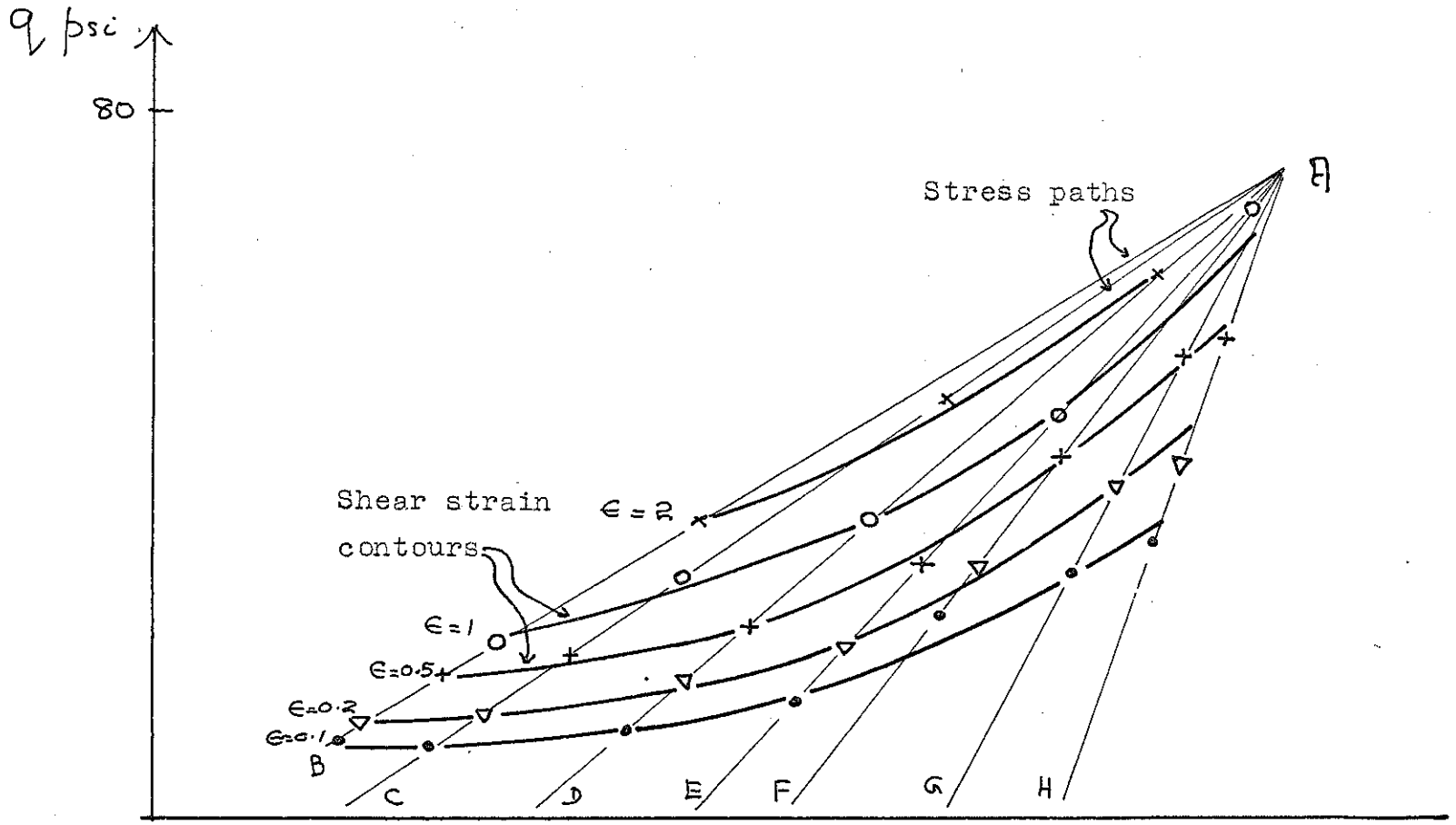

Fig. 7.64. Shear strain contours of specimen CB during reloading to stress ratio $\eta_s = .58$

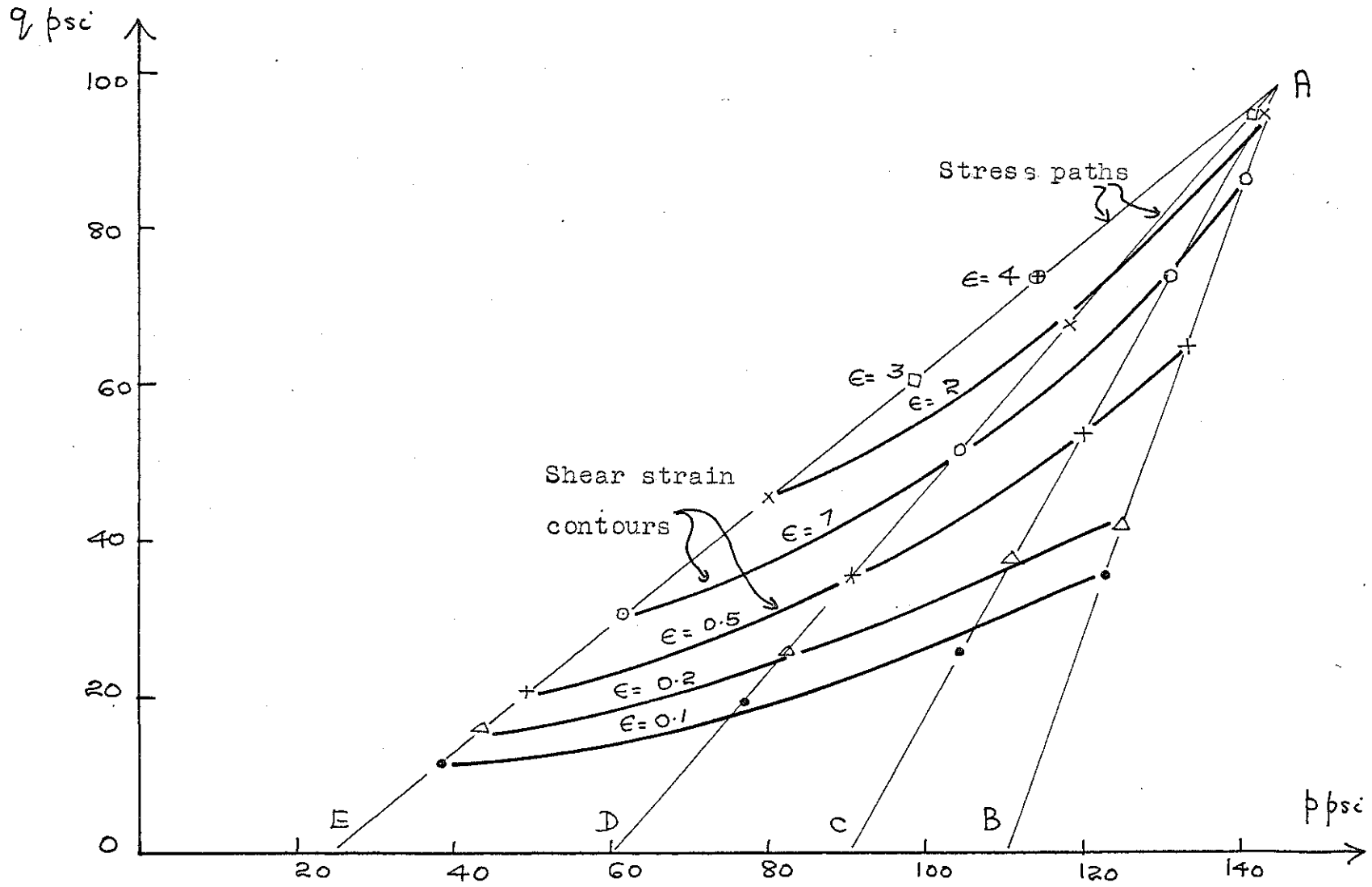

Fig. 7.65. Shear strain contours of specimen CG during reloading to stress ratio $\eta_s = 0.58$

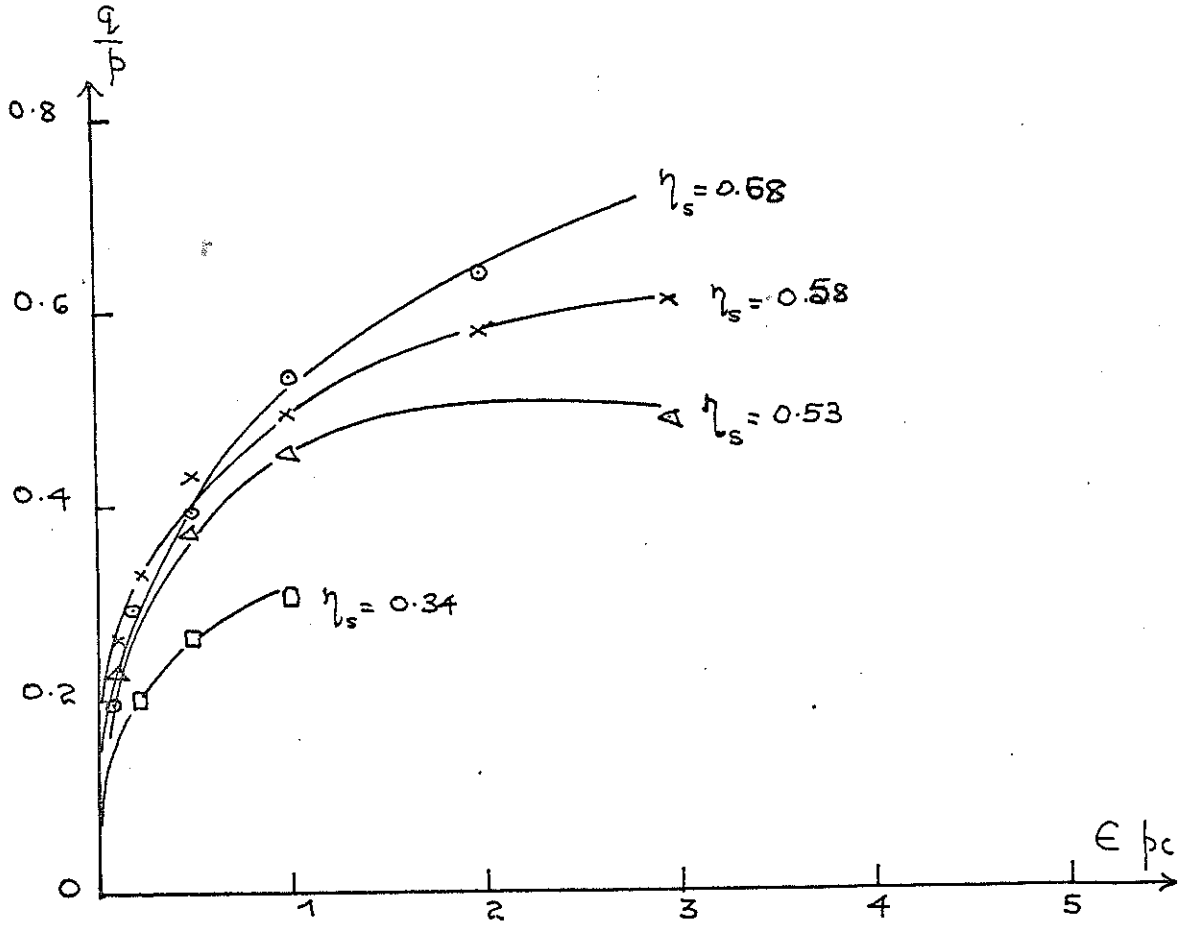

Fig. 7.66. Relationship between stress ratio η and shear strain ϵ during reloading to stress ratio $\eta_s = 0.34, 0.53, 0.68$

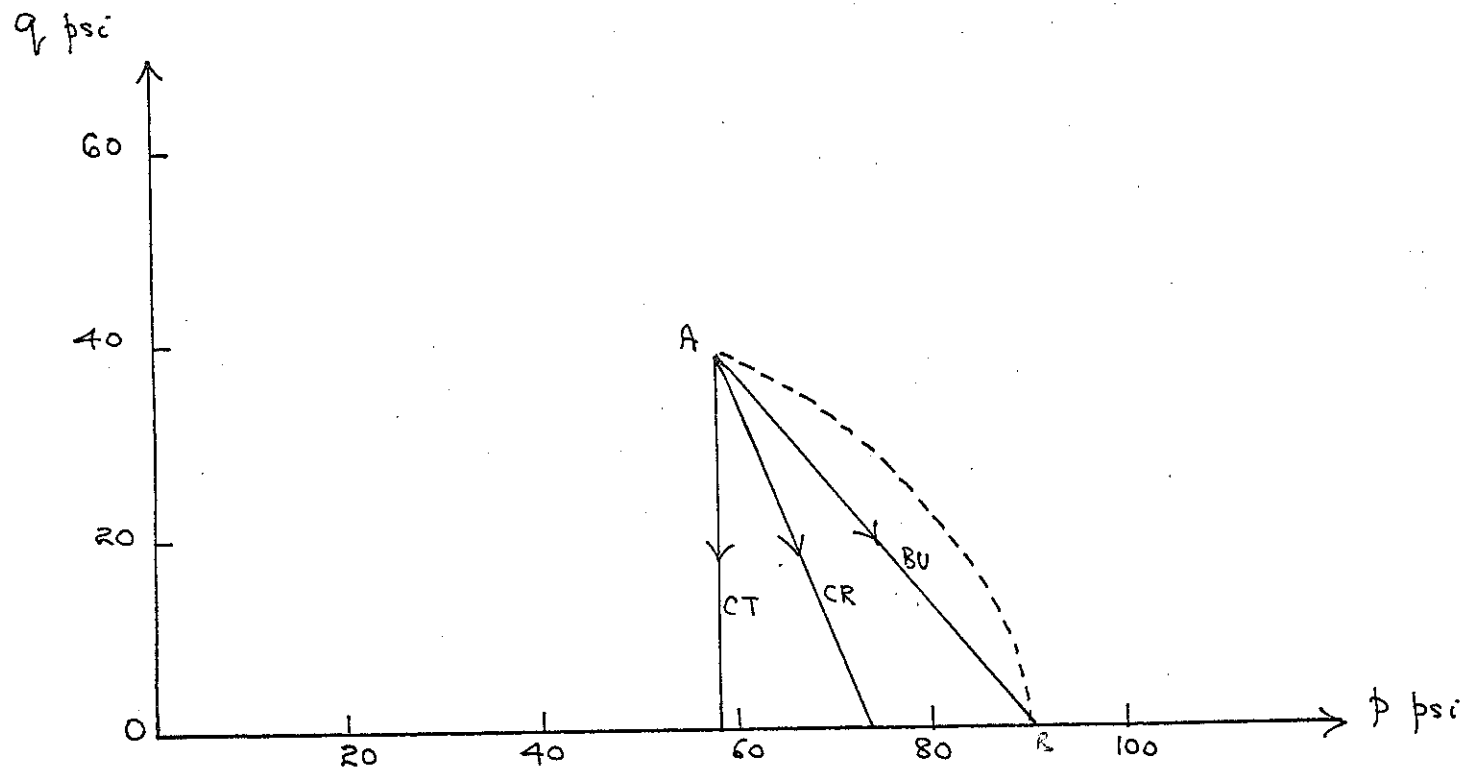

Fig. 7.67. The stress paths followed by specimens BU, CR, and CT under the conditions $dp \geq 0$ and $dq < 0$

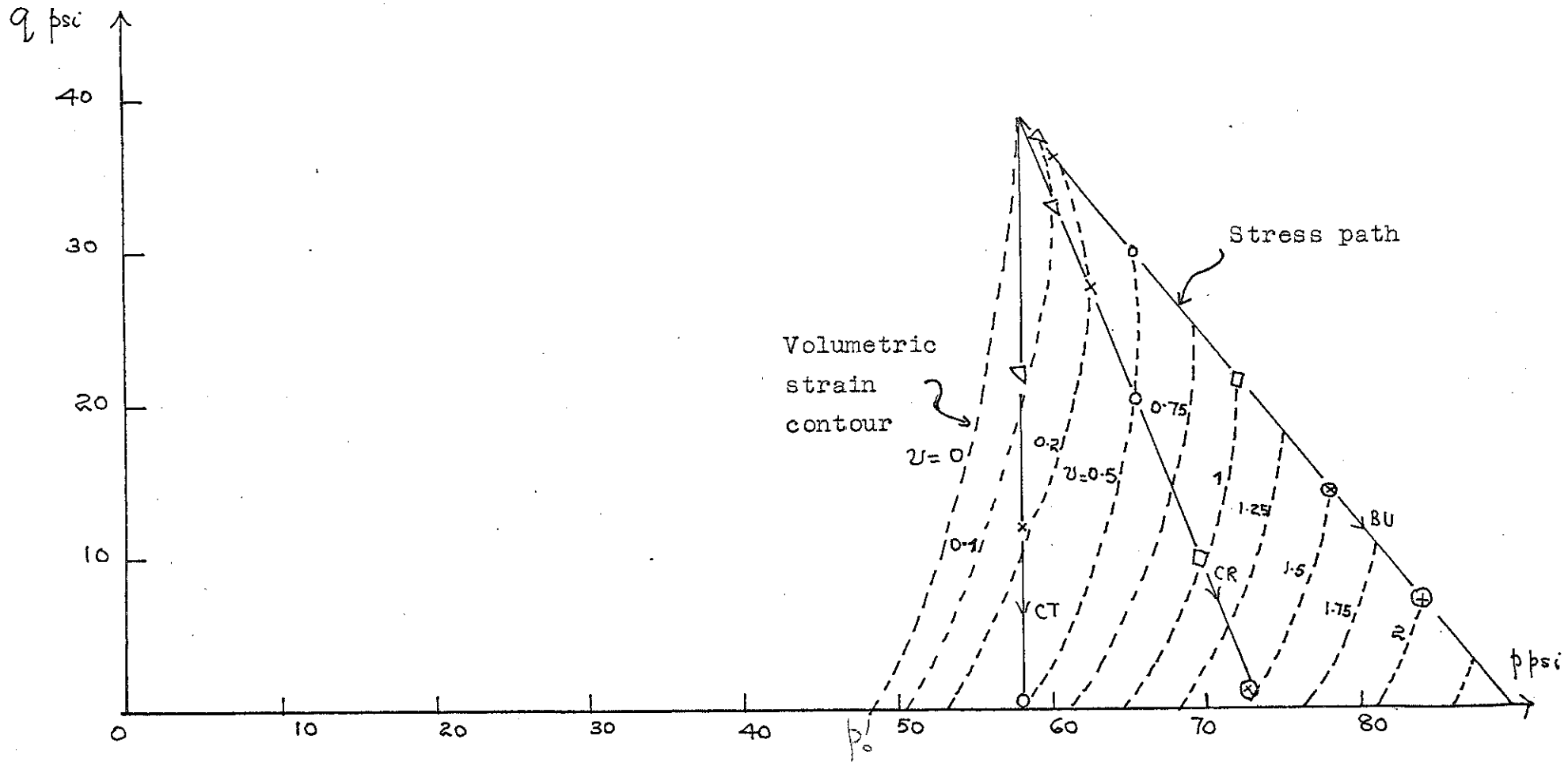

Fig. 7.68. Volumetric strain contours of specimens BU, CR and CT sheared under the conditions $dp \geq 0$ and $dq < 0$

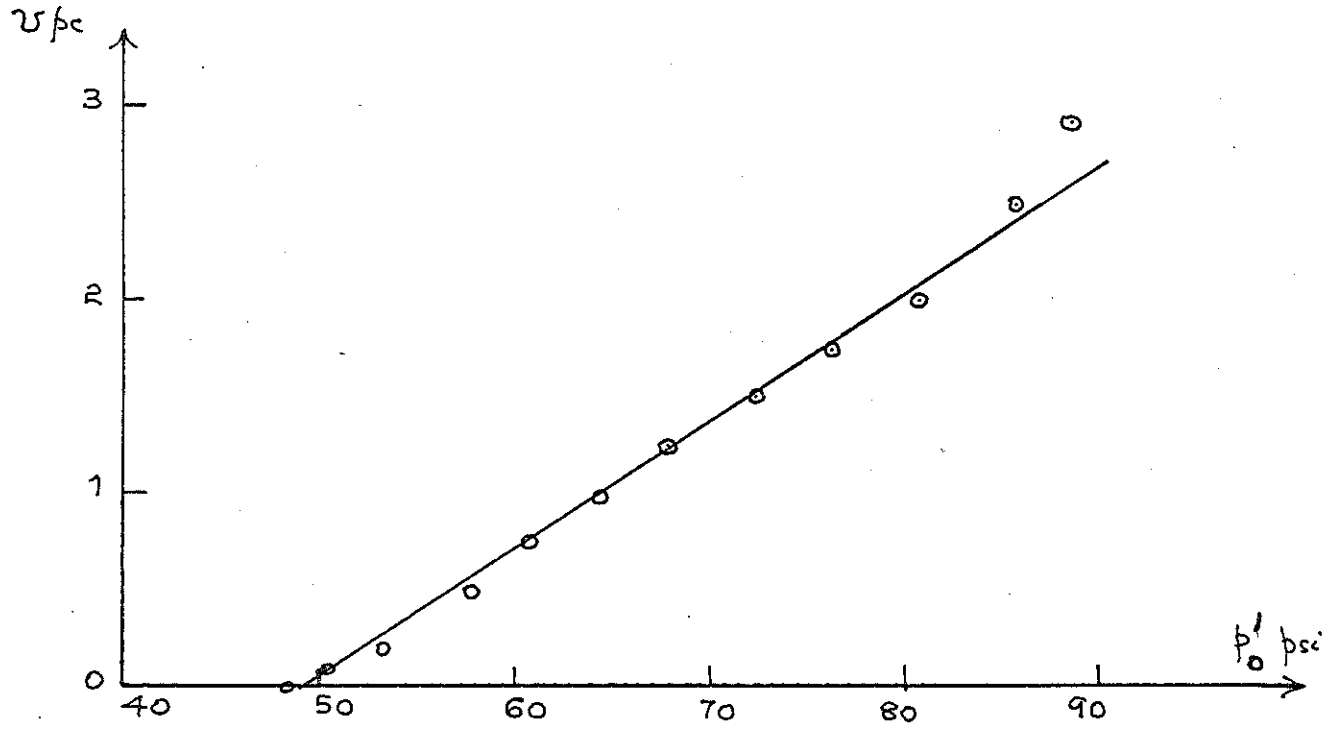

Fig. 7.69. The (υ, p'_o) characteristic of specimens sheared under the conditions $dp \geq 0$ and $dq < 0$

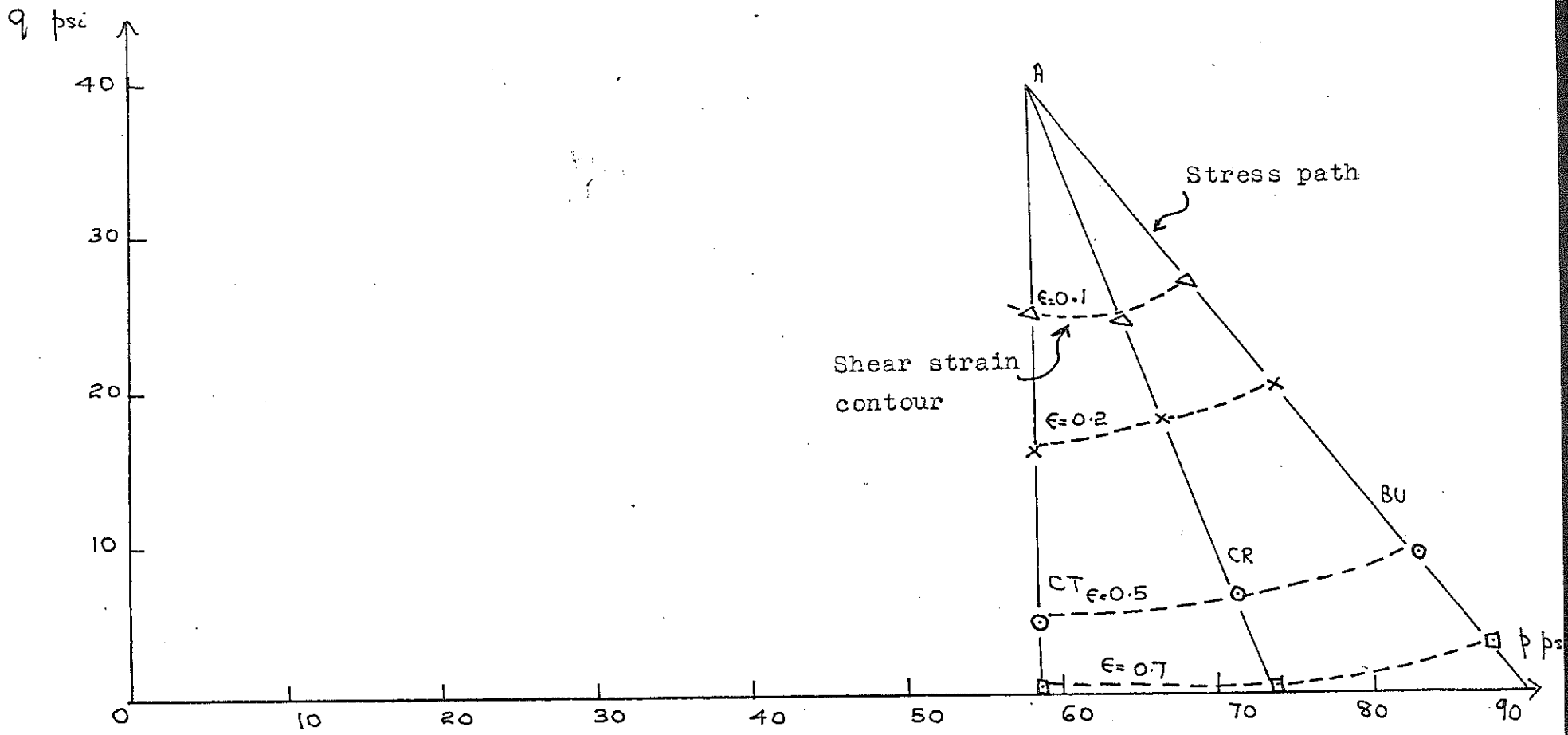

Fig. 7.70 Shear strain contours of specimens BU, CR and CT sheared under the conditions $dp \geq 0$ and $dq < 0$

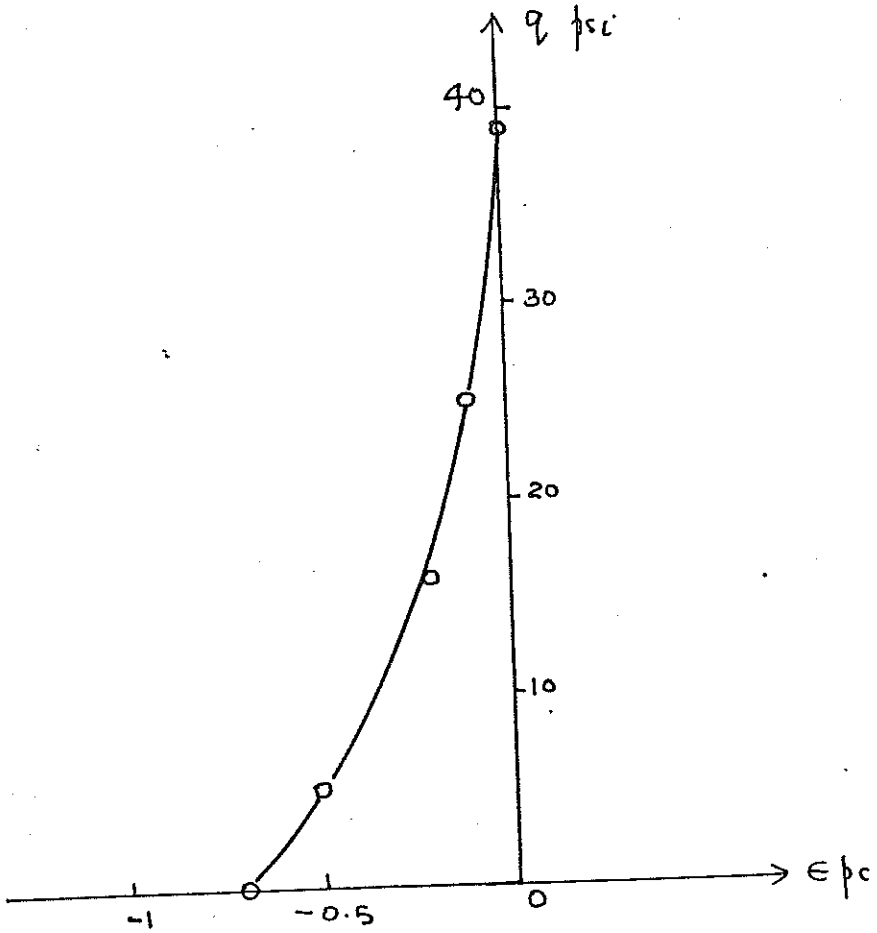

Fig. 7·71 The (q , ϵ) characteristic of specimens BU,CT and CR sheared along Group 2 stress paths (Type 6) .

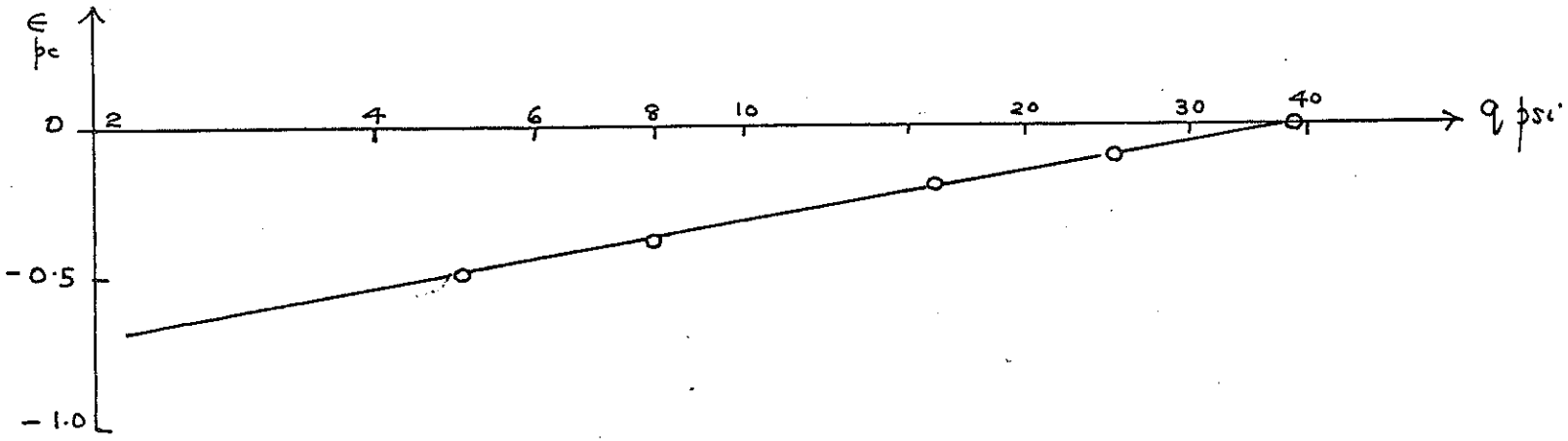

Fig. 7.72. The (ϵ , $\log q$) characteristic of specimens sheared along Group 2 stress paths (Type 6) .

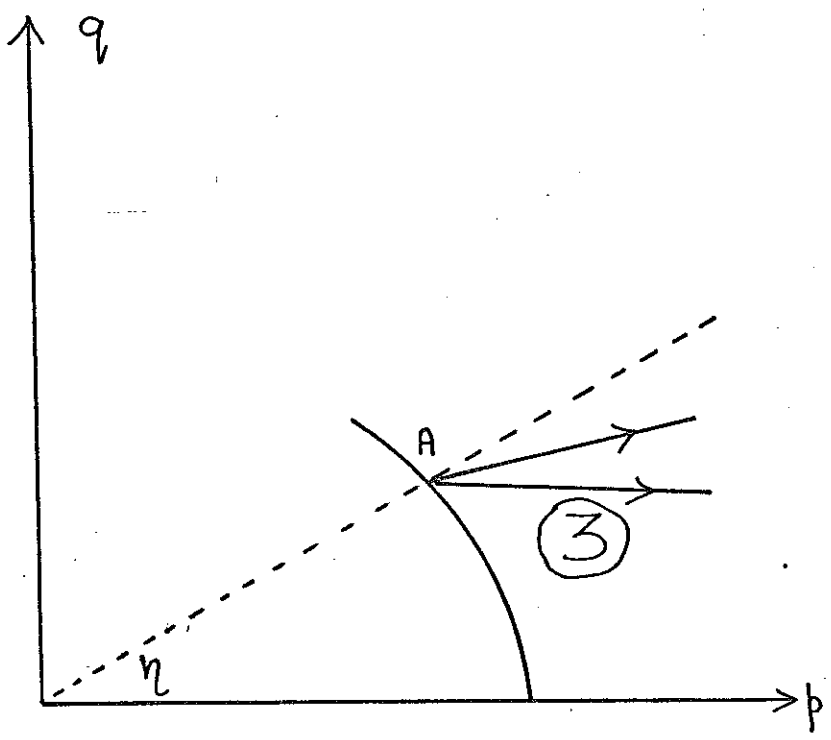

Fig. 7.73. Third group of stress paths where the state paths lie on the state boundary surface and the stress ratio decrease.

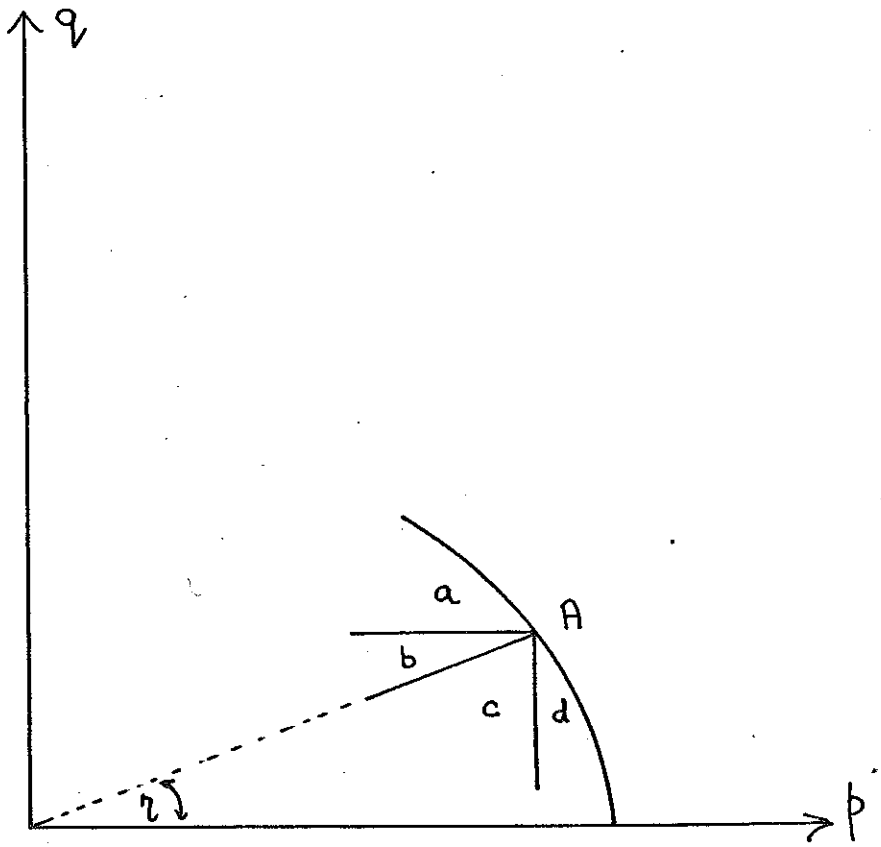

Fig. 8.I. Miscellaneous stress paths in regions a,b,c,and d which lie inside the state boundary surface.

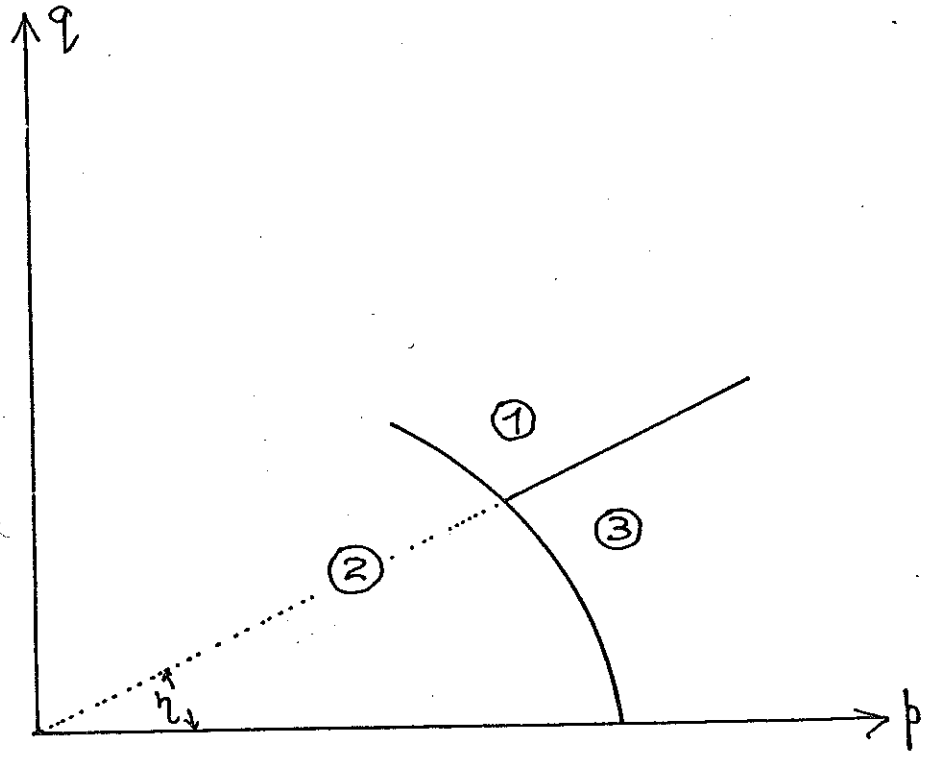

Fig. 8.2. Division of (q , p) stress plane into three Groups.

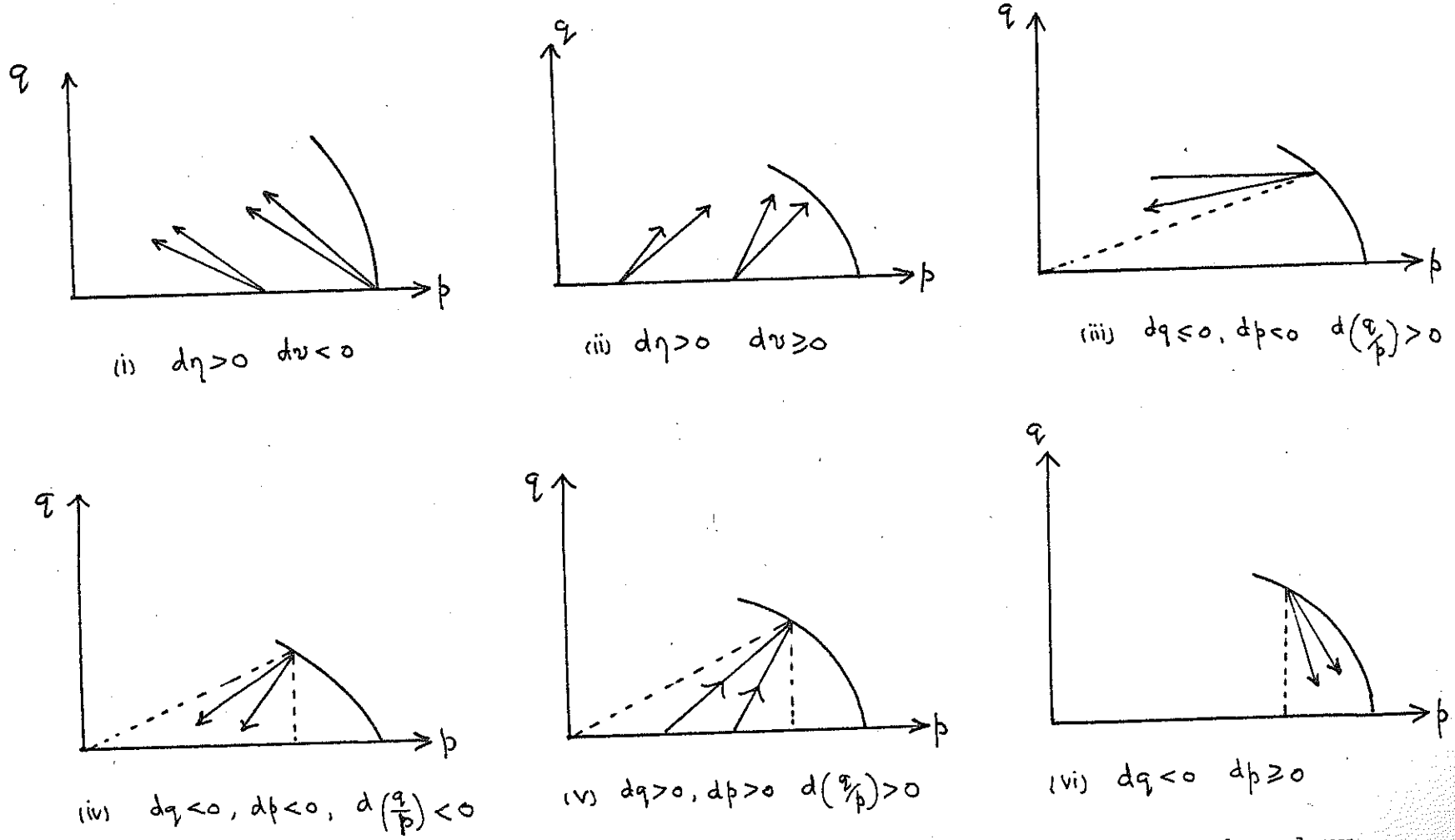

Fig. 8.3. Six types of tests on specimens with states lying inside the state boundary surface.