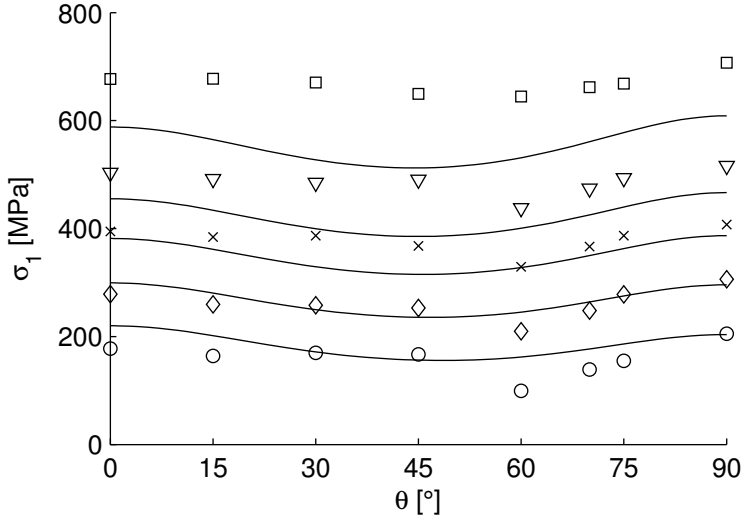
Green River Shale 1 (Data after McLamore & Gray, 1967)

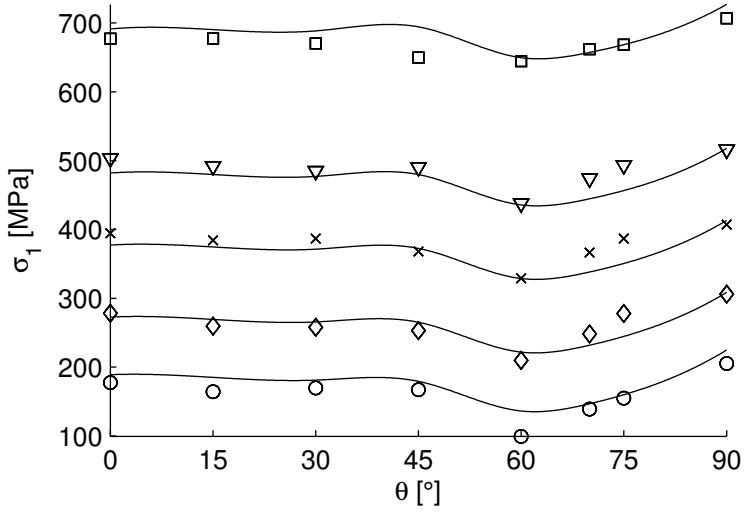
Cazacu model



□ σ_3 = 172.3689 MPa
▽ σ_3 = 103.4214 MPa
× σ_3 = 68.9476 MPa
◇ σ_3 = 34.4738 MPa
○ σ_3 = 6.8948 MPa

X_t = 0.0083503 MPa
Y_t = 0.005891 MPa
a = 0.77265 MPa^{-1}
b = 1.6033 MPa^{-1}
c = 1.0918 MPa^{-1}
d = 1.5377 MPa^{-1}
e = 2.4996 MPa^{-1}
m = 90.2812 MPa^{-1}

McLamore & Gray model



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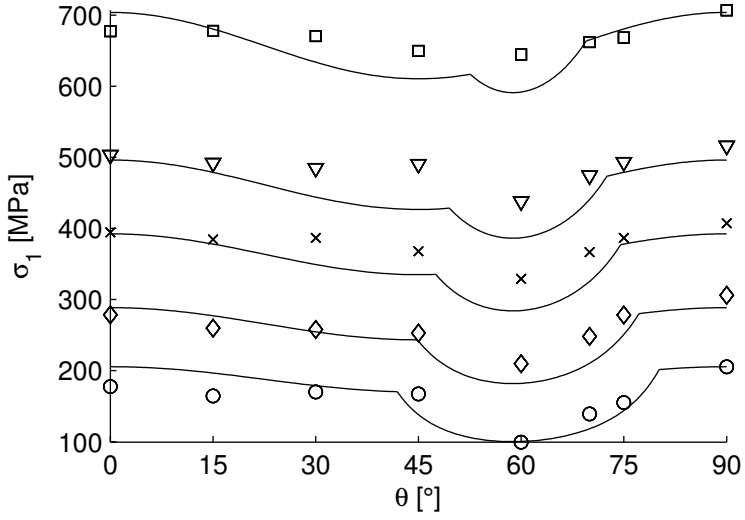
○ σ_3 = 6.8948 MPa

A_1 = 84.4639
B_1 = 51.8519
C_1 = 0.58408
D_1 = −0.014719
A_2 = 46.956
B_2 = 2.5505
C_2 = 0.58424
D_2 = 46.956
m = 1
n = 1

Plane of patchy weakness model



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τ_0 = 53.2289 MPa
ϕ = 30.0945 °
τ_{0w} = 25.5032 MPa
ϕ_w = 32.0727 °
η_0 = 0.17883
σ_c = 10010 MPa