SNPS − d=1, s≈0.831972, λ≈8.59, m̂≈0.0008, J_val≈7.870527e-02
RMSEtr = 0.2306, RMSEvl = 0.2805, RMSEts = 0.3583, RMSEtv = 0.2440
RMSEWtr = 0.2534, RMSEWvl = 0.3250, RMSEWts = 0.3408, RMSEWtv = 0.268