SNPS – d=1, s≈0.936817, λ≈62, m̂≈0.0008, J_val≈8.400996e-02
RMSEtr = 0.2196, RMSEvl = 0.2898, RMSEts = 0.3691, RMSEtv = 0.2391
RMSEWtr = 0.2419, RMSEWvl = 0.3361, RMSEWts = 0.3510, RMSEWtv = 0.267