﻿**BSA**

LCOE

R2= 0.9997311615984894

parameters= [-8.70261759e-01 -8.45134646e-01 -1.91743815e-01 7.29640830e-01

3.32116539e-08 2.22789771e-01]

critical point= 0.159406876008706

NPC

﻿R2= 0.9993033617413415

parameters= [-4.16340971 -4.09730624 2.6083092 2.05571421 0.35748493]

critical point= 0.177779313056716

**BSB**

﻿R2= 0.9999425158947799

parameters= [-9.69738279e-01 -9.56905540e-01 -2.53624334e-01 7.79246924e-01

1.36341435e-08 1.75593667e-01]

critical point= 0.147729293599738

﻿R2= 0.9995877057799226

parameters= [-1.08106015 -1.07998236 0.90632327 0.83636188 0.31066713]

critical point= 0.163837960507218

**CS1**

﻿R2= 0.999430260382886

parameters= [-1.18143165 1.15986135 0.2517665 1.0219724 0.37693101 0.37692825]

critical point= 0.192425667166491

﻿R2= 0.9995800163221781

parameters= [-0.01354162 0.0131643 -0.99279973 0.00671428 0.55141344 0.54915564]

critical point= 0.180616083934012

**CS2**

﻿R2= 0.9993916372285203

parameters= [-1.15745424 1.13892107 0.30947475 0.95343236 0.38031884 0.38031883]

critical point= 0.183700073562192

﻿

R2= 0.9995904862240977

parameters= [-0.01119433 0.01088077 -0.9935696 0.00546132 0.56312703 0.56090956]

critical point= 0.174590647240528

**CS3**

**﻿**R2= 0.9997579811641318

parameters= [-1.17138827 1.14281305 0.20303122 0.95991231 0.339178 0.3391655 ]

critical point= 0.169878906530677

**﻿**R2= 0.9997881754024457

parameters= [-1.61800221e+00 1.57281856e+00 -4.43754712e-02 7.91391286e-01

1.19958584e-06 3.01888929e-01]

critical point= 0.169284110640816

CS4

﻿R2= 0.9986004877698512

parameters= [-9.41890769 9.76965636 8.35828666 0.39978261 10.25137464]

critical point= 0.20718761697008

﻿R2= 0.9986004877696855

parameters= [-1.13443982 1.1766848 0.16336027 0.9485263 0.39979171 0.39978101]

critical point= 0.204927691562158

CS5

﻿R2= 0.9987277147031145

parameters= [-1.14866191 1.15199344 0.21772327 0.9050776 0.32837131 0.32837824]

critical point= 0.159724034861736

﻿R2= 0.9987277147033028

parameters= [-1.20753803 1.21104049 0.19994686 0.89186467 0.32837735 0.32837718]

critical point= 0.159286943314836

CS6

﻿R2= 0.999404381507125

parameters= [-1.14593684 1.13873243 0.13411903 0.9231113 0.33913156 0.33913134]

critical point= 0.17126296039967

﻿R2= 0.9994043815071134

parameters= [-1.2095355 1.20193115 0.12745587 0.91768825 0.33913144 0.33913117]

critical point= 0.169204413440223

CS7

﻿R2= 0.9997549637275117

parameters= [-1.1399024 1.12691147 0.07342591 0.91480818 0.32402118 0.32402152]

critical point= 0.167972365243638

﻿R2= 0.9997549637275127

parameters= [-1.20765839 1.19389516 0.05630055 0.90021383 0.32402259 0.32402119]

critical point= 0.166511805799674

CS8

﻿R2= 0.9996444734999518

parameters= [-1.13781794 1.12429352 0.0738195 0.86369003 0.27067124 0.27067056]

critical point= 0.139049005463631

﻿R2= 0.9997949017775941

parameters= [-0.00607297 0.00593977 -0.99533408 0.00422105 0.42433037 0.42308464]

critical point= 0.128810686751699

S1

﻿R2= 0.998146041333349

parameters= [-4.27003409e-01 -4.01767006e-01 -2.34803015e-02 3.74086211e-01

1.49174528e-08 3.99476342e-01]

critical point= 0.165992547193774

﻿R2= 0.9997196211827065

parameters= [-6.1178511 -6.02234445 22.27737331 0.55062552 3.46530912 15.98071631

0.48786789 0.48788812]

critical point= 0.141492894690683

S2

﻿R2= 0.9995942198891865

parameters= [-0.29007779 -0.27922536 -0.17693174 0.25998511 0.4 0.5 ]

critical point= 0.177779313056716

﻿R2= 0.9998586332210759

parameters= [-128.27476822 -134.13436929 91.49616926 24.56771367 2.85501517

0.5166653 75.90649657]

critical point= 0.193958644471251

S3

﻿R2= 0.9993269410248267

parameters= [-0.44097592 -0.42151094 0.12880849 0.34831671 0.12718819 0.5 ]

critical point= 0.150345118066195

﻿R2= 0.9998873325435524

parameters= [-72.99468056 -77.27096204 34.37046242 12.79596499 0.36587785

2.66706565 72.38485433]

critical point= 0.147584471033064

S4

﻿R2= 0.9969561073900458

parameters= [-6.81098374e-01 -6.31345189e-01 -4.93967617e-03 5.97310587e-01

5.69052976e-07 3.45662530e-01]

critical point= 0.166817460866502

﻿R2= 0.9995055803244683

parameters= [-2.56705577 -7.31630759 34.22593378 0.93679797 4.38886413 0.39566105

2.31684544 0.39566166]

critical point= 0.129172002217797

S5

﻿R2= 0.9984918723127924

parameters= [-0.49314609 -0.46461445 0.16264665 0.41071979 0.1815608 0.5 ]

critical point= 0.172208776748495

﻿R2= 0.9998534377011238

parameters= [-8.09210886e+00 -2.30421345e-02 -2.22370851e+01 2.04102372e-03

3.75712213e+00 2.22290810e+01 -1.69760534e+02 -2.39794479e+00

1.20434565e+00]

critical point= 0.151607841678108

S6

﻿R2= 0.9971963025252574

parameters= [-1. -0.88480586 -0.54350076 0.19369839 0.4 0.45942065]

critical point= 0.226521941900312

﻿R2= 0.9998861282047092

parameters= [-14.85224041 -24.74501237 57.20699148 1.0869545 4.52439166

0.56955122 0.56957635 0.56957243]

critical point= 0.223395292885411

S7

﻿R2= 0.9995848339633322

parameters= [-9.28790190e-01 -8.97819173e-01 -1.55009638e-01 4.17262901e-01

5.02956435e-09 2.79294570e-01]

critical point= 0.158126266042573

﻿R2= 0.9977929370243704

parameters= [-129.17564905 -128.67309601 26.4109103 10.59683865 0.44348555]

critical point= 0.174151973126046

S8

﻿R2= 0.9998310502016037

parameters= [-4.52425122e+02 -4.54014171e+02 7.30618678e+02 2.72538931e+02

4.83342217e-01]

critical point= 0.180656078493346

﻿R2= 0.9998310502016073

parameters= [-2.31950294 -2.32764972 1.65886559 0.61879802 0.48334221]

critical point= 0.181063110069237

S9

﻿R2= 0.9997679684389894

parameters= [-4.47156611e-01 -4.21748436e-01 7.06238624e-03 2.21520073e-01

3.54218437e-08 4.99993274e-01]

critical point= 0.152905152664231

﻿R2= 0.9963596837515664

parameters= [ 3.44929274e+03 -5.40745064e+01 2.30137740e+02 1.58604299e+00

2.91135596e+03 2.72597754e+00]

critical point= 0.207452994716575

S10

﻿R2= 0.9998945532599501

parameters= [-0.01653161 -0.01632143 -0.98636553 0.01259756 0.08032816 0.08229735]

critical point= 0.145204103929673

﻿R2= 0.9988746812928222

parameters= [-2.19591837 -2.21707197 2.14712582 1.62978173 0.34018516]

critical point= 0.165980490857284

S11

﻿R2= 0.9999168743414352

parameters= [-8.69124692e-01 -8.57068303e-01 -3.27521159e-01 6.87863529e-01

2.70658506e-07 1.38126919e-01]

critical point= 0.131528773899329

﻿R2= 0.9995548327039468

parameters= [-2.50317656 -2.49929448 0.49553231 1.3491812 0.27879594 0.2787971

0.49567112 0.49578159 0.27880131]

critical point= 0.147132593843927

S12

﻿R2= 0.9998829805983869

parameters= [-9.94632977e-01 -9.76672769e-01 -2.23636014e-01 8.33531328e-01

4.60851603e-08 1.99779242e-01]

critical point= 0.160353116410995

﻿R2= 0.9994985256549316

parameters= [-1.04344924 -1.03721717 0.88328275 0.83155179 0.33745162]

critical point= 0.177697563496387

S13

﻿R2= 0.9998958313977787

parameters= [-9.09842470e-01 -8.94068016e-01 -2.22604597e-01 7.49823020e-01

7.60634298e-08 1.88854632e-01]

critical point= 0.146107645806699

﻿R2= 0.9995813398287393

parameters= [-83.68655678 -83.22606153 67.5200042 57.95860677 0.31401228]

critical point= 0.162914145040707

S14

﻿R2= 0.9980202450176695

parameters= [-6.95874066e-01 -7.11486751e-01 -9.57250173e-02 4.19538770e-01

1.45927633e-09 2.29359323e-01]

critical point= 0.110143055945219

﻿R2= 0.9970994756031066

parameters= [-17.56393591 -18.11210026 22.58561496 9.98056081 0.28364875]

critical point= 0.111155070652524

S15

﻿R2= 0.9997320386997818

parameters= [ 1.25068722e+01 -3.98511365e-01 2.00335899e+02 4.55835076e-02

3.15417668e+00 1.00544069e+00 1.00544113e+00 1.00545056e+00]

critical point= 0.22986295698724

﻿R2= 0.9950312785663548

parameters= [-0.2 -0.1746965 0.01420633 -0.2 -0.2 -0.2

-0.2 ]

critical point= 0.26502079454802

S16

﻿R2= 0.9906081022343418

parameters= [-0.09527898 -0.2 0.03357004]

critical point= 0.146448116522658

﻿R2= 0.9913311922324991

parameters= [-0.31068564 -0.41771209 0.03719319]

critical point= 0.152461070165989