

---

```
% -----  
%   Generated by MATLAB on 28-Apr-2023 10:32:23  
%   MATLAB version: 9.14.0.2206163 (R2023a)  
% -----
```

```
tyre_coeffs      = struct;  
tyre_coeffs.FZ0   = 900;  
tyre_coeffs.R0    = 0.2304;  
tyre_coeffs.pCx1  = 1.4842685066996137;  
tyre_coeffs.pDx1  = 2.3583876549921272;  
tyre_coeffs.pDx2  = -0.59332900586574511;  
tyre_coeffs.pDx3  = 10.362402442758462;  
tyre_coeffs.pEx1  = 0.14955570427336409;  
tyre_coeffs.pEx2  = 1.5126764245554618;  
tyre_coeffs.pEx3  = 2.2353094468939982;  
tyre_coeffs.pEx4  = -0.8085540710170116;  
tyre_coeffs.pHx1  = 0.00095854513266894407;  
tyre_coeffs.pHx2  = 4.30094675123142E-5;  
tyre_coeffs.pKx1  = 53.982288786418266;  
tyre_coeffs.pKx2  = -0.052088488052649817;  
tyre_coeffs.pKx3  = 0.533420216083531;  
tyre_coeffs.pVx1  = -0.090693151620900136;  
tyre_coeffs.pVx2  = 0.096143041985615685;  
tyre_coeffs.pCy1  = 1.6372379613830708;  
tyre_coeffs.pDy1  = 2.4018203011129513;  
tyre_coeffs.pDy2  = 0.016700589453337449;  
tyre_coeffs.pDy3  = 7.1939773560015752;  
tyre_coeffs.pEy1  = 0.47798894155714;  
tyre_coeffs.pEy2  = -0.613429105641983;  
tyre_coeffs.pEy3  = 0.32205931176193997;  
tyre_coeffs.pEy4  = -9.8749317289840022;  
tyre_coeffs.pHy1  = -0.0046656171054837593;  
tyre_coeffs.pHy2  = -0.0036525301291690133;  
tyre_coeffs.pHy3  = -0.045104309384109531;  
tyre_coeffs.pKy1  = -60.29149381885815;  
tyre_coeffs.pKy2  = -0.25919464349666882;  
tyre_coeffs.pKy3  = 0.99544624885585087;  
tyre_coeffs.pVy1  = 0.040197385575727877;  
tyre_coeffs.pVy2  = -0.07288191146649331;  
tyre_coeffs.pVy3  = -2.8419845964956569;  
tyre_coeffs.pVy4  = -0.99670779937833087;  
tyre_coeffs.qBz1  = 7.4164548036610833;  
tyre_coeffs.qBz2  = -1.14467063099248;  
tyre_coeffs.qBz3  = -4.2544675471780433;  
tyre_coeffs.qBz4  = 0.1;  
tyre_coeffs.qBz5  = 0.1;  
tyre_coeffs.qBz9  = 4.1214104189803231E-5;  
tyre_coeffs.qBz10 = 3.9878581805595732E-5;  
tyre_coeffs.qCz1  = 1.6749530976487554;  
tyre_coeffs.qDz1  = 0.19648481922286348;  
tyre_coeffs.qDz2  = 0.058327601074061916;
```

---

```
tyre_coeffs.qDz3 = 1;
tyre_coeffs.qDz4 = 1;
tyre_coeffs.qDz6 = 0.0035474747313213135;
tyre_coeffs.qDz7 = 0.0030024255654782519;
tyre_coeffs.qDz8 = 1;
tyre_coeffs.qDz9 = 1;
tyre_coeffs.qEz1 = 0.5434819375983202;
tyre_coeffs.qEz2 = -0.29735052409486451;
tyre_coeffs.qEz3 = -0.64754307077734985;
tyre_coeffs.qEz4 = 0.022093887391997052;
tyre_coeffs.qEz5 = 1;
tyre_coeffs.qHz1 = -0.011841538418333016;
tyre_coeffs.qHz2 = -0.0030086967466160081;
tyre_coeffs.qHz3 = 0.1;
tyre_coeffs.qHz4 = 0.1;
tyre_coeffs.rBx1 = 10.14109286260042;
tyre_coeffs.rBx2 = 13.489339665855205;
tyre_coeffs.rBy1 = 16.490488772169549;
tyre_coeffs.rBy2 = 28.616358168470143;
tyre_coeffs.rBy3 = -0.067864971768348992;
tyre_coeffs.rCx1 = 1.2111930822075596;
tyre_coeffs.rCy1 = 0.94578152324198916;
tyre_coeffs.rHx1 = -0.027158038078839836;
tyre_coeffs.rHy1 = 0.021254410516437922;
tyre_coeffs.rVy1 = -0.14278502067866616;
tyre_coeffs.rVy2 = 0.0001;
tyre_coeffs.rVy3 = 0.0001;
tyre_coeffs.rVy4 = 0.60052440874310242;
tyre_coeffs.rVy5 = -0.24323234839725744;
tyre_coeffs.rVy6 = 21.329010311103275;
```

```
tyre_coeffs.LCX = 1;
tyre_coeffs.LCY = 1;
tyre_coeffs.LEX = 1;
tyre_coeffs.LEY = 1;
tyre_coeffs.LFZ0 = 1;
tyre_coeffs.LGAMMAY = 1;
tyre_coeffs.LHX = 1;
tyre_coeffs.LHY = 1;
tyre_coeffs.LKA = 1;
tyre_coeffs.LKXK = 1;
tyre_coeffs.LMUX = 1;
tyre_coeffs.LMUY = 1;
tyre_coeffs.LVX = 1;
tyre_coeffs.LVY = 1;
tyre_coeffs.LVYK = 1;
tyre_coeffs.LXA = 1;
tyre_coeffs.LKY = 1;
tyre_coeffs.LMR = 1;
tyre_coeffs.LT = 1;
```

*Published with MATLAB® R2023a*