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% -----
%   Generated by MATLAB on 5-Dec-2023 21:32:13
%   MATLAB version: 9.13.0.2126072 (R2022b) Update 3
% -----

a = [-37.644384498724321 0.019078376031385957];

avPost1950 = 0.30821917808219179;

avPre1950 = -0.19928571428571429;

c = 1.96;

d_p0 = 0.030104712360255269;

d_p1 = [0.69181455051756657 0.00035451550549867522];

d_p2 = [24.012922589765381 0.024623727778706438 6.3102577374374593E-6];

d_p3 = [1291.9661026936171 1.987498568129614 0.0010189226342421213
1.7408219613514742E-7 ...
];

d_p4 = [97711.132183513226 200.43375083941345 0.1541525695003442
5.2682943591187229E-5 ...
6.7506016142112995E-9];

da = [1.9627503221511986 0.00098208814990256269];

degree = 4;

delimiter = ' ';

diffInMean = 0.50750489236790608;

errorDiff = 0.04434249232465251;

errorPost1950 = 0.040269214576834134;

errorPre1950 = 0.018564670288662714;

filename = 'graph.txt';

headerLinesIn = 0;

k = 0.0072678867624171167;

lowerBound = 0.500237005605489;

n = 143;

p0 = 0.059790209790209818;
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p1 = [-15.077209732754426 0.0077585853114016529];

p2 = [317.24608203978278 -0.33306368897143557 8.73455341576096E-5];

p3 = [-2677.7001442909241 4.2746599982492626 -0.0022750130378881295
4.0361499598073891E-7 ...
];

p4 = [395580.69921875 -812.70246124267578 0.6260766014456749
-0.00021434466361824889 ...
2.7517225609230422E-8];

rchi2 = 0.99998243953684274;

rchi2_p0 = 1.0397264446560226;

rchi2_p1 = 1.0343147189630346;

rchi2_p2 = 1.0437151567323812;

rchi2_p3 = 1.0125514783724037;

rchi2_p4 = 1.1581183536304167;

sig_a = ...
[3.8523888271046336 -0.001927547522656809;
-0.001927547522656809 9.6449713417903864E-7];

sig_p0 = 0.00090629370629370643;

sig_p1 = ...
[0.47860737230782274 -0.00024520410633965242;
-0.00024520410633965242 1.2568124363898123E-7];

sig_p2 = ...
[576.62045130206445 -0.59126111933687509 0.00015150057180847061;
-0.59126111933687509 0.00060632796971983908 -1.5537511428559104E-7;
0.00015150057180847061 -1.5537511428559104E-7 3.9819352712889325E-11 ...
];

sig_p3 = ...
[1.6691764105093339E+6 -2567.731435239727 1.3163123659446641
-0.00022486944561487545 ...
;
-2567.731435239727 3.950150558317266 -0.0020250683909466588
3.4596156083061682E-7 ...
;
1.3163123659446641 -0.0020250683909466588 1.0382033345709035E-6
-1.773728882742365E-10 ...
;
-0.00022486944561487545 3.4596156083061682E-7 -1.773728882742365E-10 ...
3.0304611011235933E-14];

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sig_p4 = ...  
[9.5474653525839939E+9 -1.9584483301505636E+7 15062.047768461051  
-5.1474252477714026 ...  
0.000659544406956299;  
-1.9584498155424371E+7 40173.688475556075 -30.897179920514656  
0.010559177703174355 ...  
-1.3529735847012832E-6;  
15062.07060860306 -30.897203338451984 0.023763014683558448  
-8.1211591687173831E-6 ...  
1.0405967548758069E-9;  
-5.1474369513474683 0.010559193702085797 -8.1211653181921452E-6  
2.7754925454322159E-9 ...  
-3.5563929074029525E-13;  
0.00065954640544001024 -1.3529766580249894E-6 1.0405983298664818E-9 ...  
-3.5563955971401757E-13 4.5570622153792207E-17];
```

```
slope = 0.019078376031385957;
```

```
stdAway = 11.445114285688341;
```

```
uncertPost1950 = 0.33931443327258104;
```

```
uncertPre1950 = 0.15420973322701187;
```

```
uncertSlope = 0.00098208814990256269;
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```
upperBound = 0.51477277913032315;
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