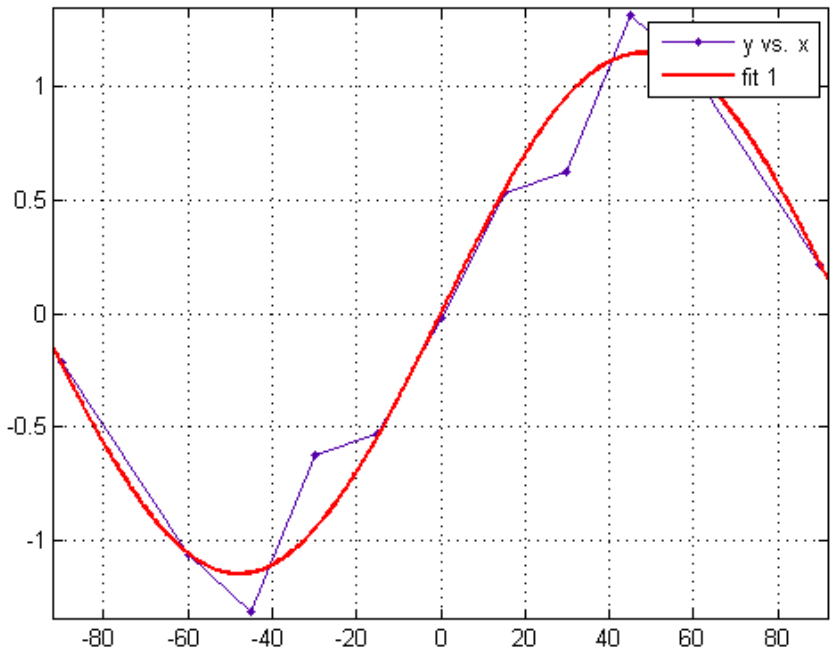
LAMPIRAN

LAMPIRAN 1. Pengolahan data C_L dan C_D pada *Matlab*

KECEPATAN 2 m/s

C_{L1}



General model Sin1:

f(x) = a1*sin(b1*x+c1)

where x is normalized by mean 0 and std 63.05

Coefficients (with 95% confidence bounds):

a1 = 1.142 (1.118, 1.167)

b1 = 2.065 (2.049, 2.08)

c1 = -0.004143 (-0.01807, 0.009787)

Goodness of fit:

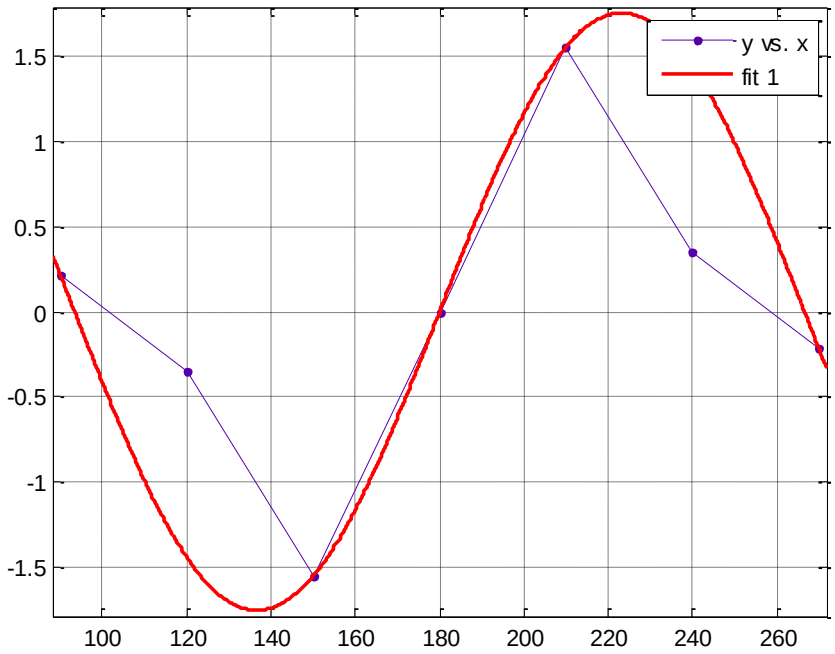
SSE: 0.0006275

R-square: 0.9998

Adjusted R-square: 0.9997

RMSE: 0.01253

C_{L2}



General model Sin1:

f(x) = a1*sin(b1*x+c1)

where x is normalized by mean 180 and std 67.08

Coefficients (with 95% confidence bounds):

a1 = 1.749 (1.749, 1.749)

b1 = 2.435 (2.435, 2.435)

c1 = -2.456e-006 (-1.403e-005, 9.116e-006)

Goodness of fit:

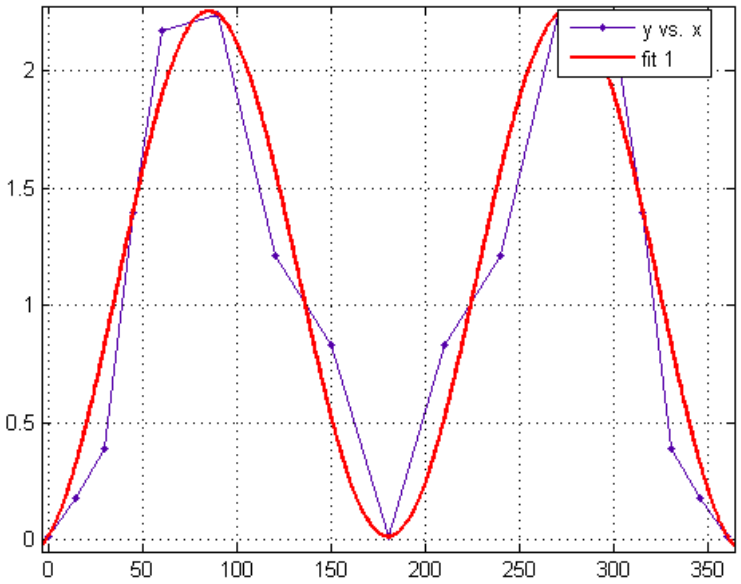
SSE: 1.504e-010

R-square: 1

Adjusted R-square: 1

RMSE: 8.673e-006

C_D



General model Sin2:

f(x) = a1*sin(b1*x+c1) + a2*sin(b2*x+c2)

where x is normalized by mean 180 and std 139.9

Coefficients (with 95% confidence bounds):

a1 = 1.145 (1.145, 1.145)

b1 = 0.2695 (0.2693, 0.2698)

c1 = 1.571 (1.571, 1.571)

a2 = 1.13 (1.13, 1.13)

b2 = 4.611 (4.611, 4.611)

c2 = -1.571 (-1.571, -1.571)

Goodness of fit:

SSE: 4.164e-011

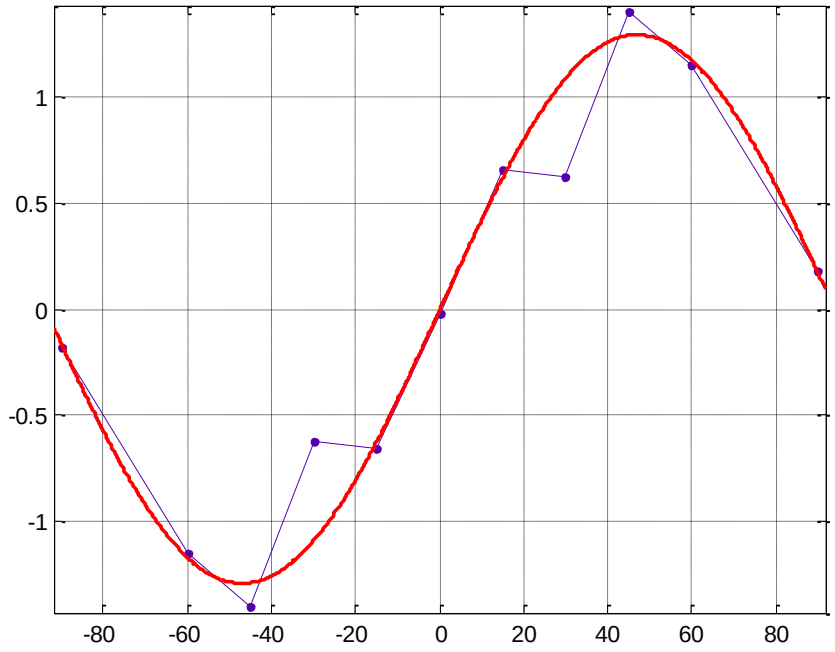
R-square: 1

Adjusted R-square: 1

RMSE: 6.453e-006

KECEPATAN 2.5 m/s

C_{L1}



General model Sin1:

f(x) = a1*sin(b1*x+c1)

where x is normalized by mean 0 and std 63.05

Coefficients (with 95% confidence bounds):

a1 = 1.29 (1.232, 1.348)

b1 = 2.11 (2.079, 2.141)

c1 = -0.003699 (-0.03224, 0.02484)

Goodness of fit:

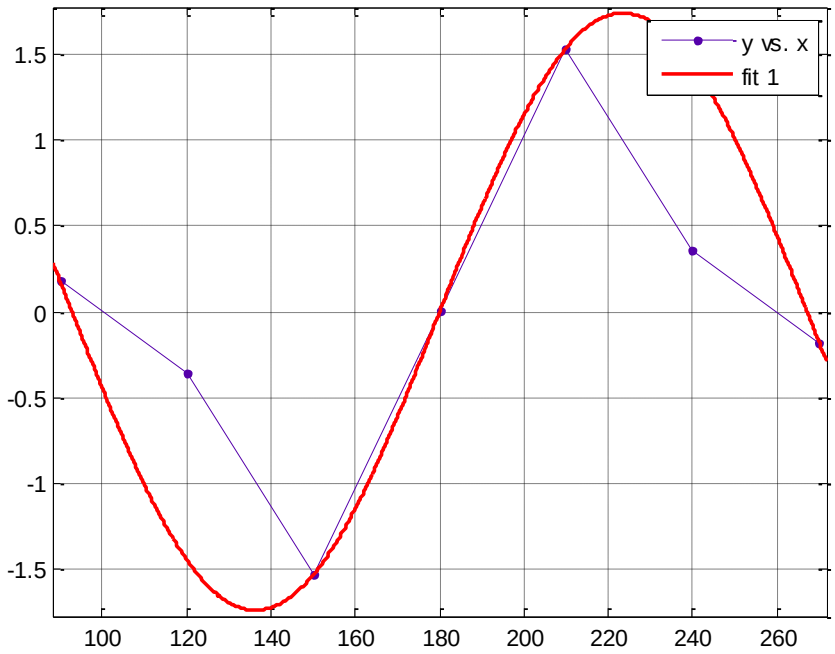
SSE: 0.00342

R-square: 0.999

Adjusted R-square: 0.9986

RMSE: 0.02924

C_{L2}



General model Sin1:

f(x) = a1*sin(b1*x+c1)

where x is normalized by mean 180 and std 67.08

Coefficients (with 95% confidence bounds):

a1 = 1.745 (1.745, 1.745)

b1 = 2.417 (2.417, 2.417)

c1 = 1.392e-006 (-5.197e-006, 7.98e-006)

Goodness of fit:

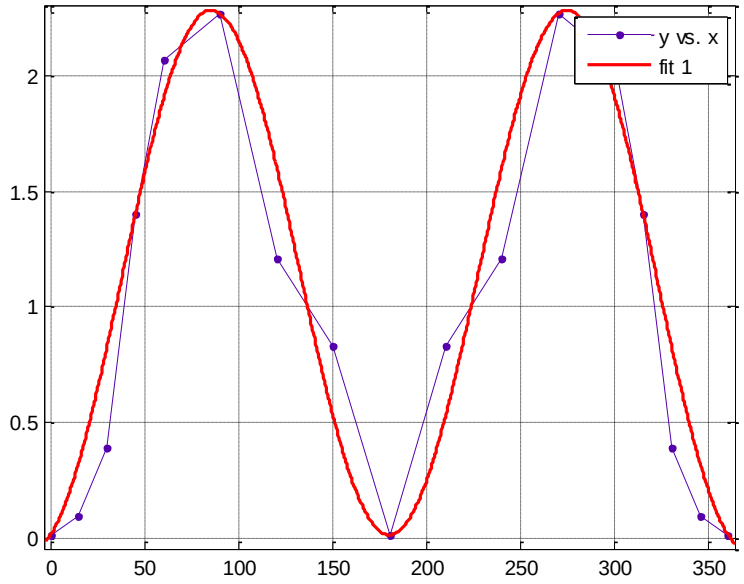
SSE: 4.888e-011

R-square: 1

Adjusted R-square: 1

RMSE: 4.943e-006

C_D



General model Sin2:

f(x) = a1*sin(b1*x+c1) + a2*sin(b2*x+c2)

where x is normalized by mean 180 and std 139.9

Coefficients (with 95% confidence bounds):

a1 = 1.157 (1.157, 1.157)

b1 = 0.2497 (0.249, 0.2504)

c1 = 1.571 (1.57, 1.571)

a2 = 1.143 (1.143, 1.143)

b2 = 4.631 (4.63, 4.631)

c2 = -1.571 (-1.571, -1.571)

Goodness of fit:

SSE: 3.889e-010

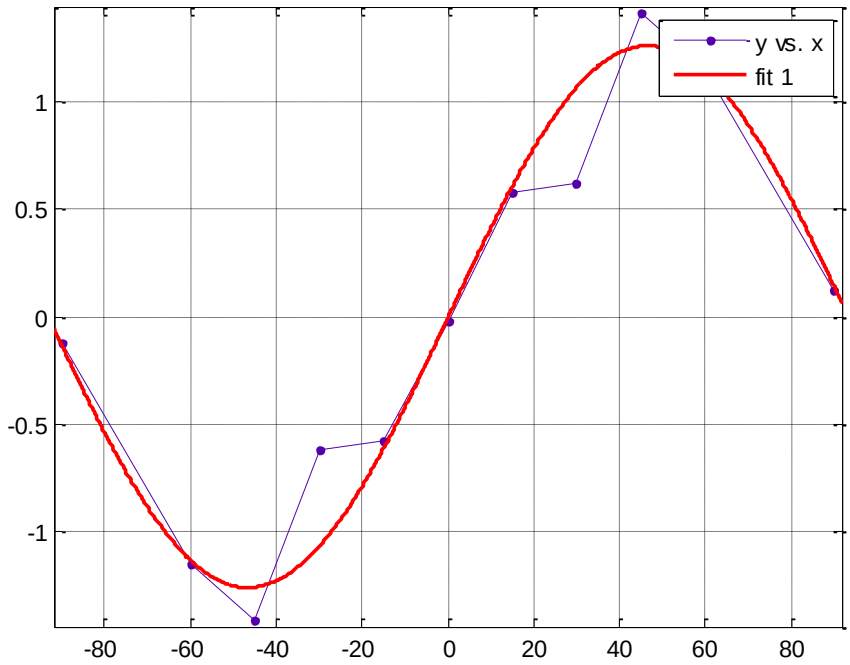
R-square: 1

Adjusted R-square: 1

RMSE: 1.972e-005

KECEPATAN 3m/s

C_{L1}



General model Sin1:

f(x) = a1*sin(b1*x+c1)

where x is normalized by mean 0 and std 63.05

Coefficients (with 95% confidence bounds):

a1 = 1.265 (1.2, 1.331)

b1 = 2.124 (2.089, 2.16)

c1 = -0.003816 (-0.03634, 0.02871)

Goodness of fit:

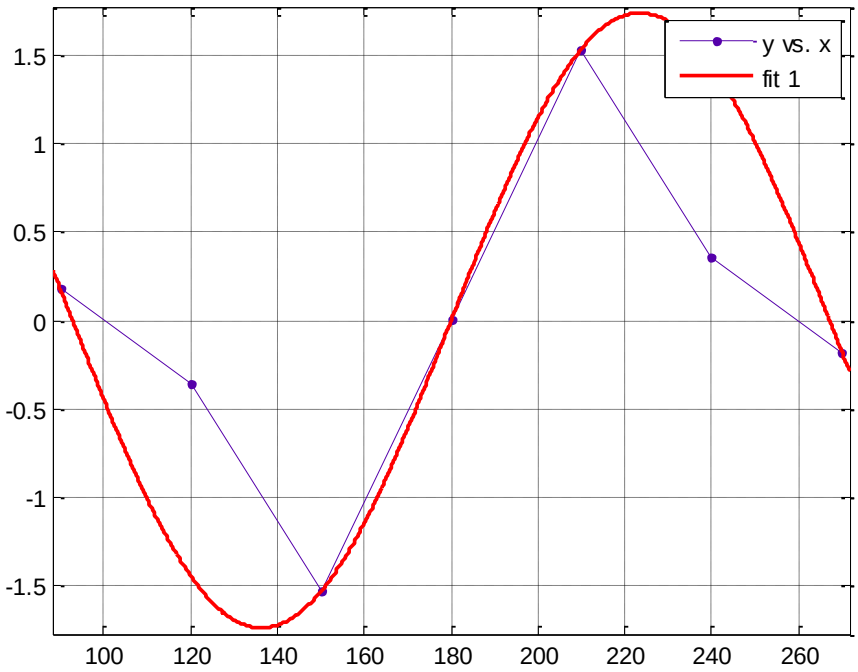
SSE: 0.004296

R-square: 0.9987

Adjusted R-square: 0.9981

RMSE: 0.03277

C_{L2}



General model Sin1:

f(x) = a1*sin(b1*x+c1)

where x is normalized by mean 180 and std 67.08

Coefficients (with 95% confidence bounds):

a1 = 1.745 (1.745, 1.745)

b1 = 2.417 (2.417, 2.417)

c1 = 1.392e-006 (-5.197e-006, 7.98e-006)

Goodness of fit:

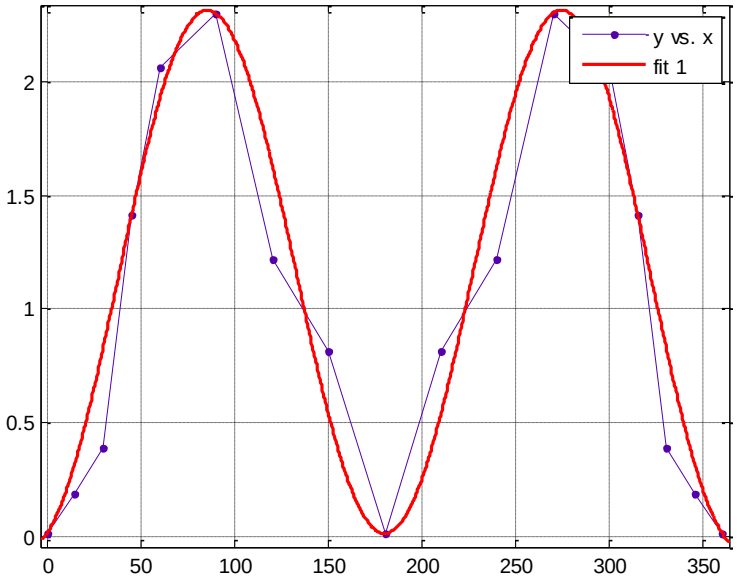
SSE: 4.888e-011

R-square: 1

Adjusted R-square: 1

RMSE: 4.943e-006

C_D



General model Sin2:

f(x) = a1*sin(b1*x+c1) + a2*sin(b2*x+c2)

where x is normalized by mean 180 and std 139.9

Coefficients (with 95% confidence bounds):

a1 = 1.171 (1.171, 1.171)

b1 = 0.2409 (0.2409, 0.2409)

c1 = 1.571 (1.571, 1.571)

a2 = 1.157 (1.157, 1.157)

b2 = 4.639 (4.639, 4.639)

c2 = -1.571 (-1.571, -1.571)

Goodness of fit:

SSE: 6.726e-016

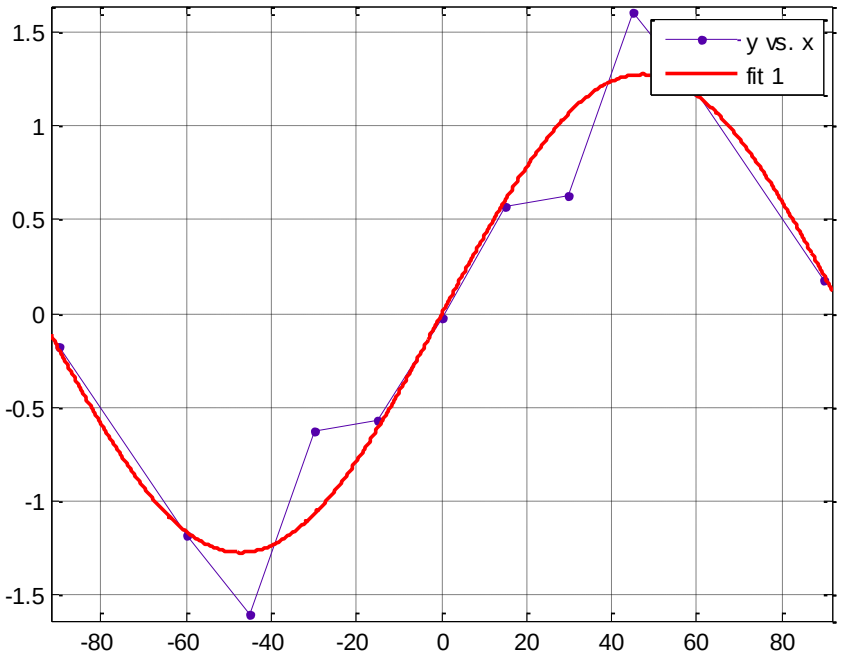
R-square: 1

Adjusted R-square: 1

RMSE: 2.593e-008

KECEPATAN 3.5 m/s

C_{L1}



General model Sin1:

f(x) = a1*sin(b1*x+c1)

where x is normalized by mean 0 and std 63.05

Coefficients (with 95% confidence bounds):

a1 = 1.277 (1.204, 1.351)

b1 = 2.093 (2.053, 2.134)

c1 = -0.003872 (-0.04069, 0.03295)

Goodness of fit:

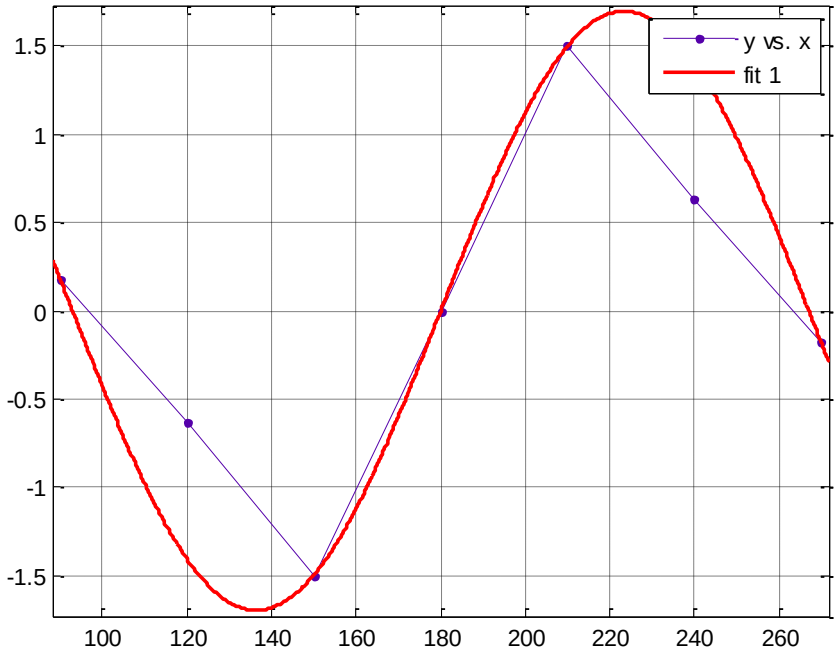
SSE: 0.005547

R-square: 0.9984

Adjusted R-square: 0.9977

RMSE: 0.03724

C_{L2}



General model Sin1:

f(x) = a1*sin(b1*x+c1)

where x is normalized by mean 180 and std 67.08

Coefficients (with 95% confidence bounds):

a1 = 1.698 (1.698, 1.698)

b1 = 2.421 (2.421, 2.421)

c1 = 6.261e-018 (-3.456e-013, 3.456e-013)

Goodness of fit:

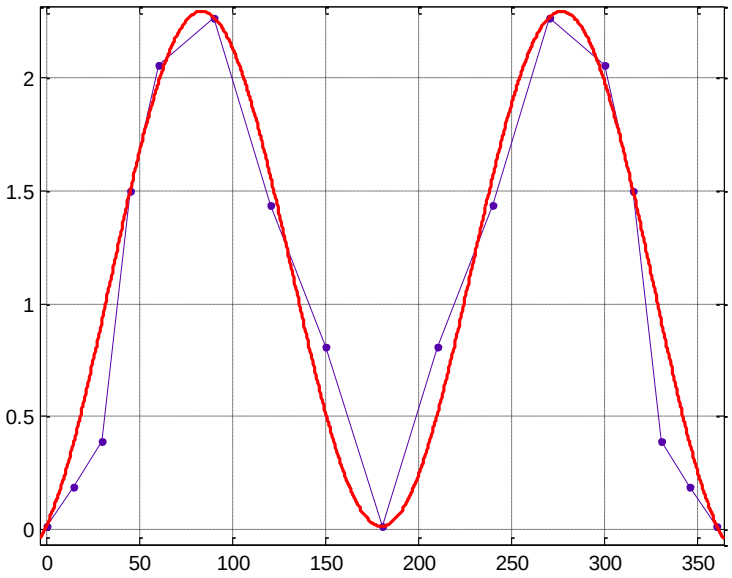
SSE: 1.272e-025

R-square: 1

Adjusted R-square: 1

RMSE: 2.522e-013

CD



General model Sin2:

f(x) = a1*sin(b1*x+c1) + a2*sin(b2*x+c2)

where x is normalized by mean 180 and std 139.9

Coefficients (with 95% confidence bounds):

a1 = 1.173 (1.173, 1.173)

b1 = 0.358 (0.358, 0.358)

c1 = 1.571 (1.571, 1.571)

a2 = 1.159 (1.159, 1.159)

b2 = 4.522 (4.522, 4.522)

c2 = -1.571 (-1.571, -1.571)

Goodness of fit:

SSE: 1.79e-016

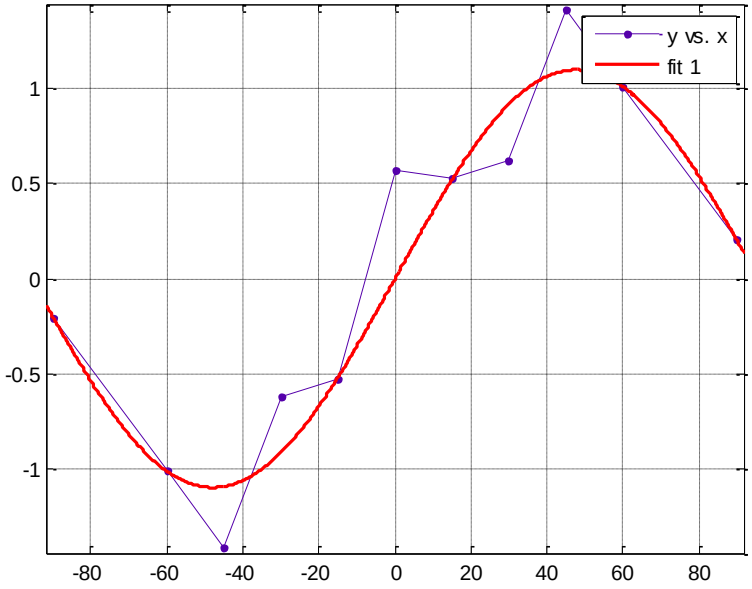
R-square: 1

Adjusted R-square: 1

RMSE: 1.338e-008

KECEPATAN 4 m/s

C_{L1}



General model Sin1:

f(x) = a1*sin(b1*x+c1)

where x is normalized by mean 0 and std 69.07

Coefficients (with 95% confidence bounds):

a1 = 1.102 (1.085, 1.119)

b1 = 2.27 (2.258, 2.282)

c1 = 2.074e-017 (-0.01106, 0.01106)

Goodness of fit:

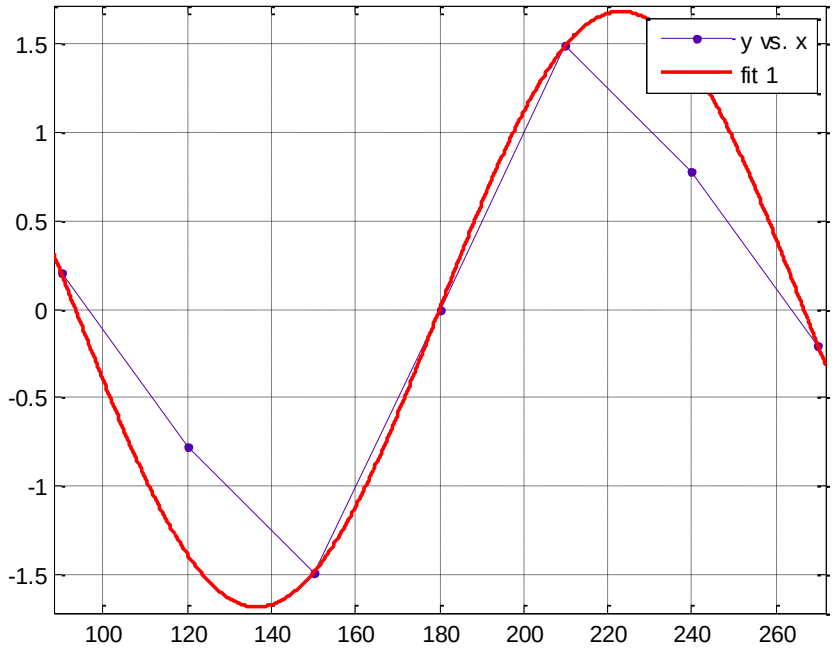
SSE: 0.0001668

R-square: 0.9999

Adjusted R-square: 0.9999

RMSE: 0.007456

C_{L2}



General model Sin1:

f(x) = a1*sin(b1*x+c1)

where x is normalized by mean 180 and std 67.08

Coefficients (with 95% confidence bounds):

a1 = 1.683 (1.683, 1.683)

b1 = 2.432 (2.432, 2.432)

c1 = 4.297e-018 (-9.608e-013, 9.608e-013)

Goodness of fit:

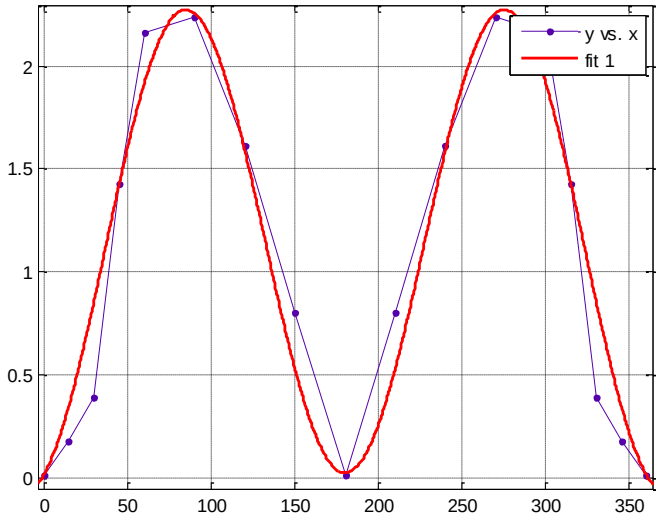
SSE: 9.606e-025

R-square: 1

Adjusted R-square: 1

RMSE: 6.93e-013

C_D



General model Sin2:

f(x) = a1*sin(b1*x+c1) + a2*sin(b2*x+c2)

where x is normalized by mean 180 and std 124.8

Coefficients (with 95% confidence bounds):

a1 = 1.161 (1.121, 1.201)

b1 = 0.27 (0.1295, 0.4104)

c1 = 1.571 (1.491, 1.65)

a2 = 1.136 (1.103, 1.169)

b2 = 4.1 (4.051, 4.148)

c2 = -1.571 (-1.602, -1.54)

Goodness of fit:

SSE: 0.001246

R-square: 0.9998

Adjusted R-square: 0.9995

RMSE: 0.02038