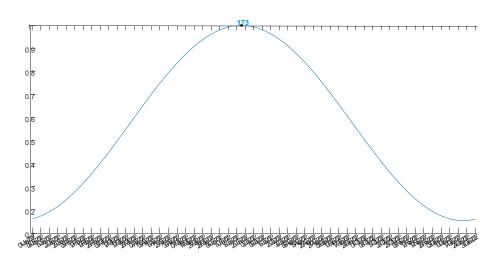
Model the energy intensity of the solar light imput over the year

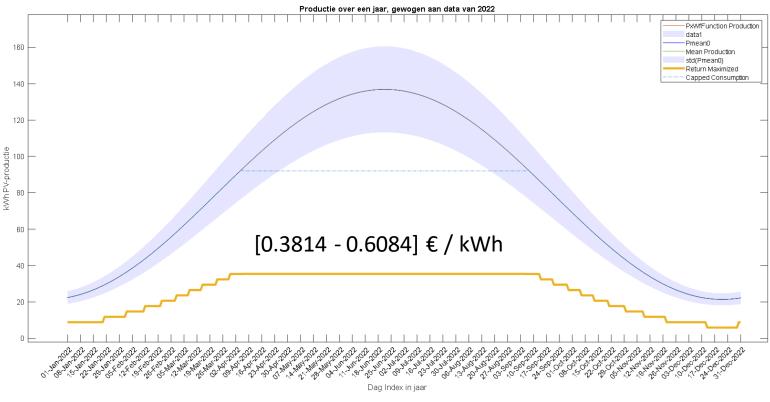
val(x) = a*sin(b*x) - Coefficients (with 95% confidence bounds): a = 13.25 (12.62, 13.87) | b = 1.224 (1.204, 1.245)

$$PxDay = \frac{1.318 * \sin \left(1.224 * \left[\frac{1}{365} : 1\right] * \pi - 0.365\right) + 1}{\pi/2}$$

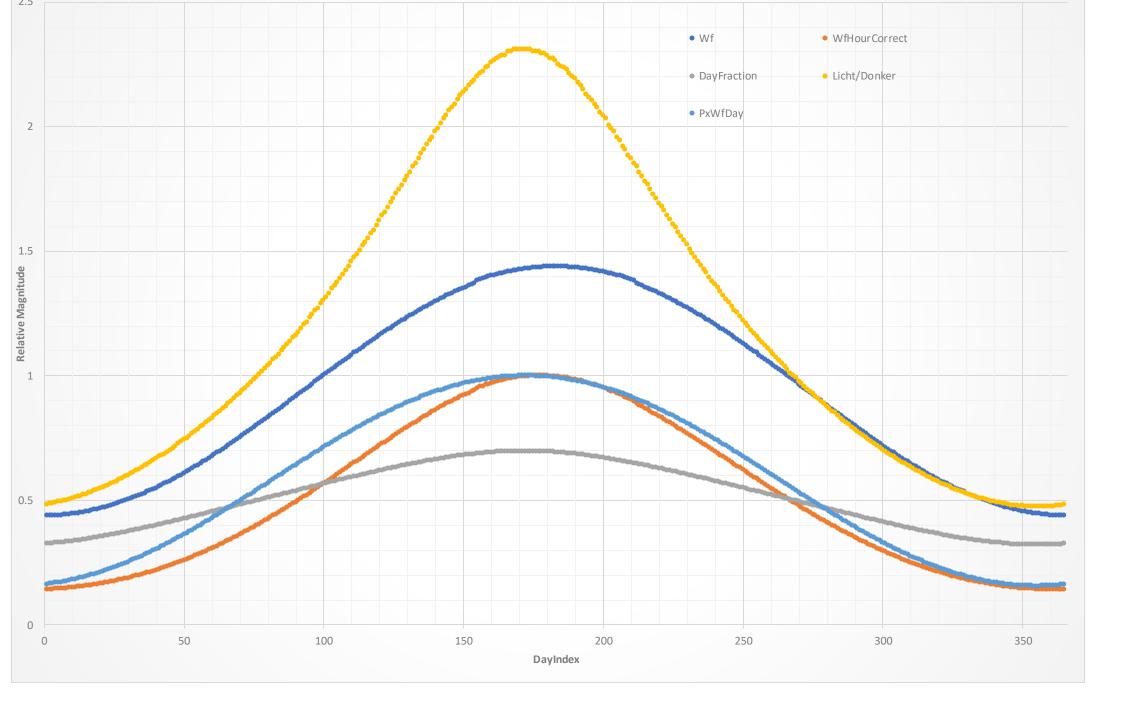
$$PxDay = \frac{1.328 * \sin^2\left(\pi * \left(\frac{1}{365} : \frac{1}{365} : 1\right) + 10 * \pi/365\right)}{\pi/2}$$

Shift = 1-max(PxDay)



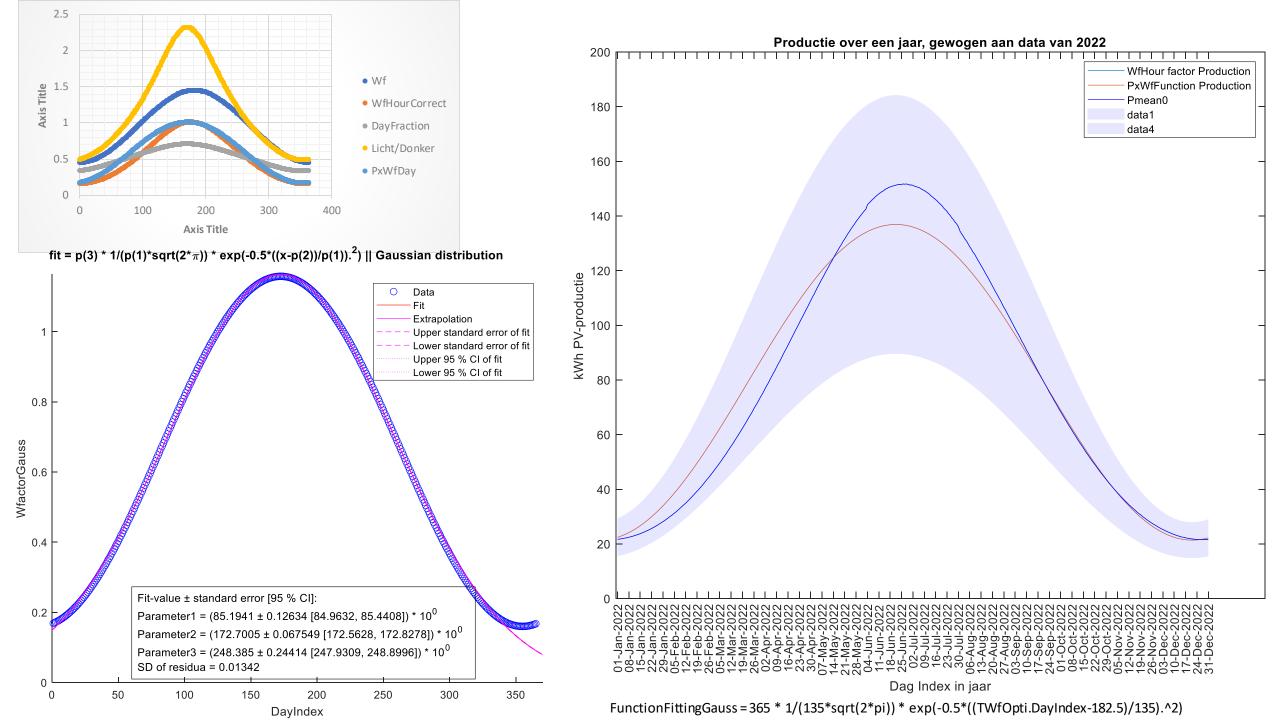


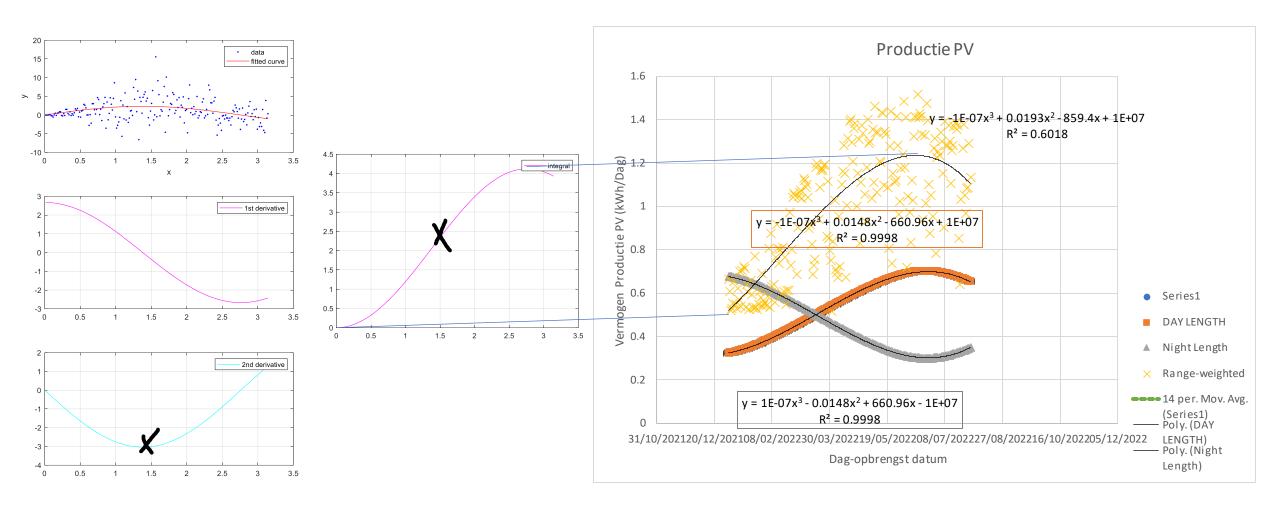
[€9290,4 - € 14820] Revenue / Year 24358 kWh / Year

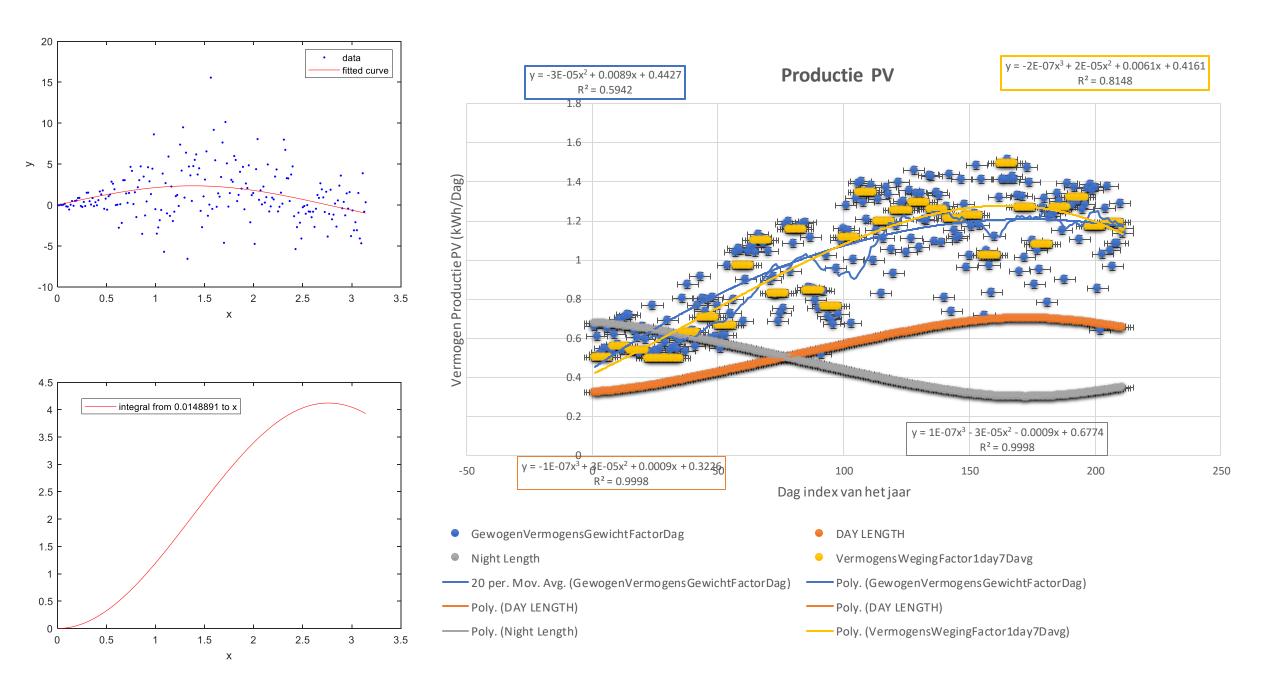


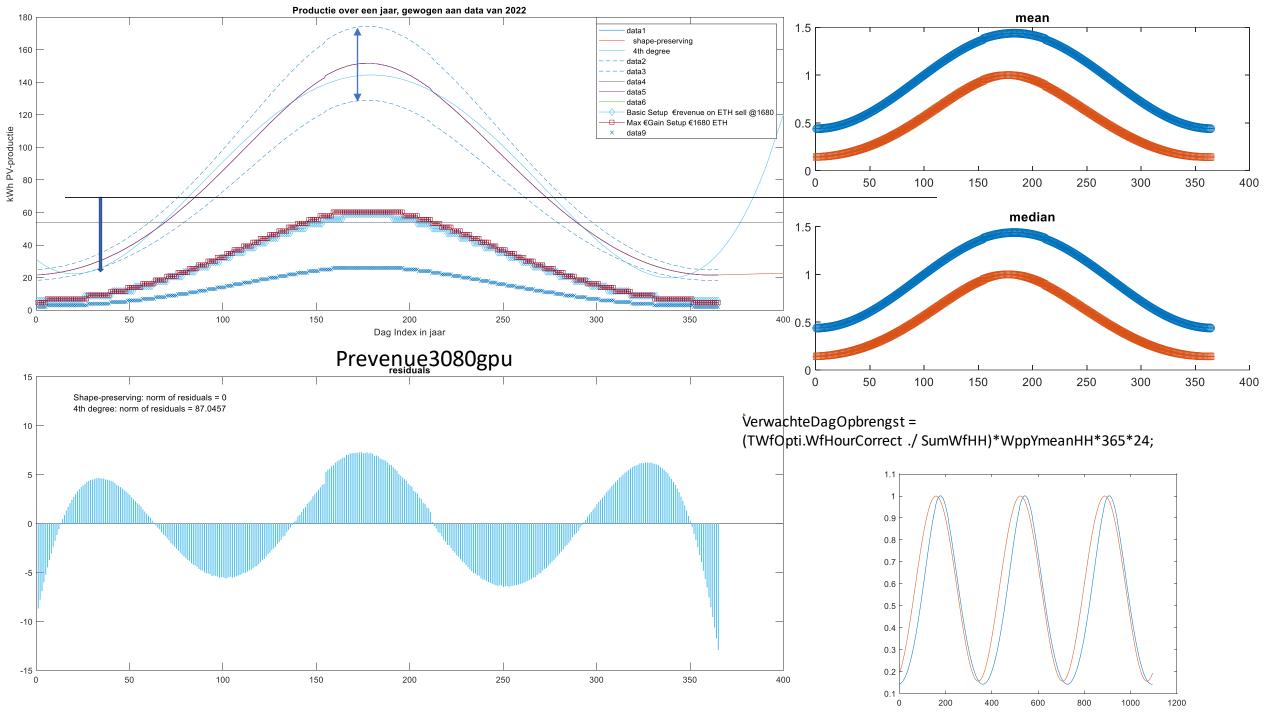
```
% Dayvector cycling year
dayC=[365/211:365/211:365];
% Circle Cycling vector in rad
xdata = (0:.1:2*pi)';
v0 = sin(xdata);
                                              Integrating over pi / 211 steps
% Form of Pmax(v(dayC)+offset on 1 jan)
% y(t) = P(t)/Pmax sin(phi*(y0 + pi/2*T))
                                              Test the sampleweightedData factor
%Half Period Vector
xdataTfull = (0:pi/62:2*pi)';
xdataThalf = (pi/211:pi/211:pi)';
SampleWeightedDataAtos = [0.50
                                              For difference between F(yreal<sup>2</sup>-ycalc<sup>2</sup>) to minimize
0.50
                                              derivate function and find local minima F by:
0.84
                                              F'(yreal^2-ycalc^2) == 0 as optimal assymptote
0.76
1.02
1.50
1.32
1.16
ycalc = 2.28.*sin(xdataThalf.*SampleWeightedDataAtos + xdataThalf./dayC');
%%
% Add noise to the signal:
noise = 2*y0.*randn(size(y0)); % Response-dependent noise
ydata = y0 + noise;
                                                                  Input the real std(measured data)
noise = 2*ycalc.*randn(size(ycalc));
ydata = ycalc + noise;
                                                                  here instead
xdata = xdataThalf;
% Fit the noisy data with a custom sinusoidal model:
f = fittype('a*sin(b*x)');
fit1 = fit(xdata,ydata,f,'StartPoint',[11]);
% Find the derivatives of the fit at the predictors:
[d1,d2] = differentiate(fit1,xdata);
```

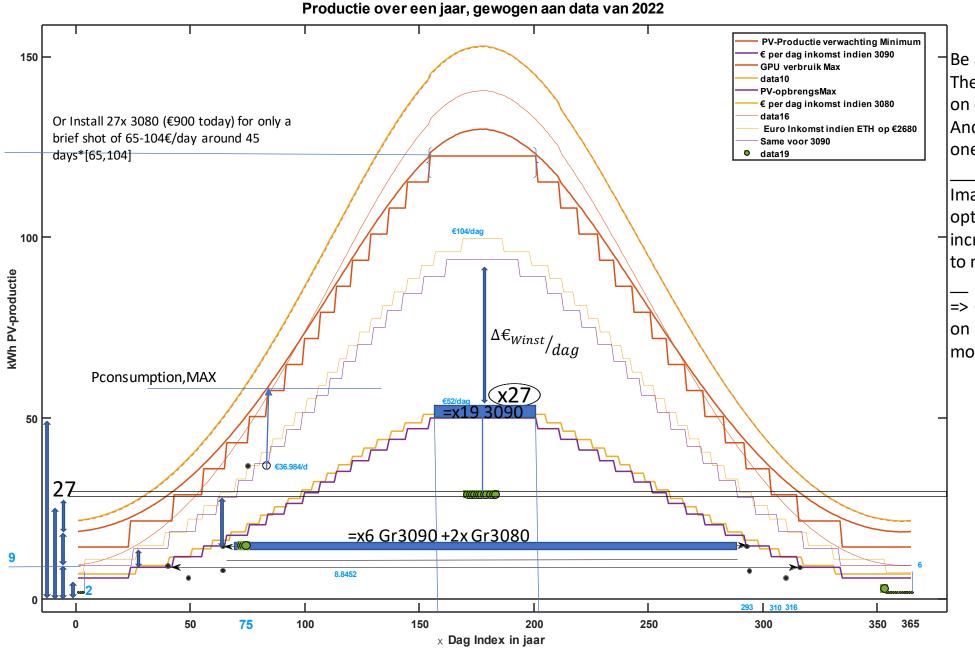
```
% Plot the data, the fit, and the derivatives:
subplot(3,1,1)
plot(fit1,xdata,ydata) % cfit plot method
subplot(3,1,2)
plot(xdata,d1,'m') % double plot method
grid on
legend('1st derivative')
subplot(3,1,3)
plot(xdata,d2,'c') % double plot method
grid on
legend('2nd derivative')
% Note that derivatives can also be computed and plotted directly with the
% cfit plot method, as follows.
% The plot method, however, does not return data on the derivatives.
plot(fit1,xdata,ydata,{'fit','deriv1','deriv2'})
% Find the integral of the fit at the predictors:
int = integrate(fit1,xdata,0);
% Plot the data, the fit, and the integral:
subplot(2,1,1)
plot(fit1,xdata,ydata) % cfit plot method
subplot(2,1,2)
plot(xdata,int, 'm') % double plot method
grid on
legend('integral')
% Note that integrals can also be computed and plotted directly with the
% cfit plot method, as follows.
% The plot method, however, does not return data on the integral.
plot(fit1,xdata,ydata,{'fit','integral'})
```











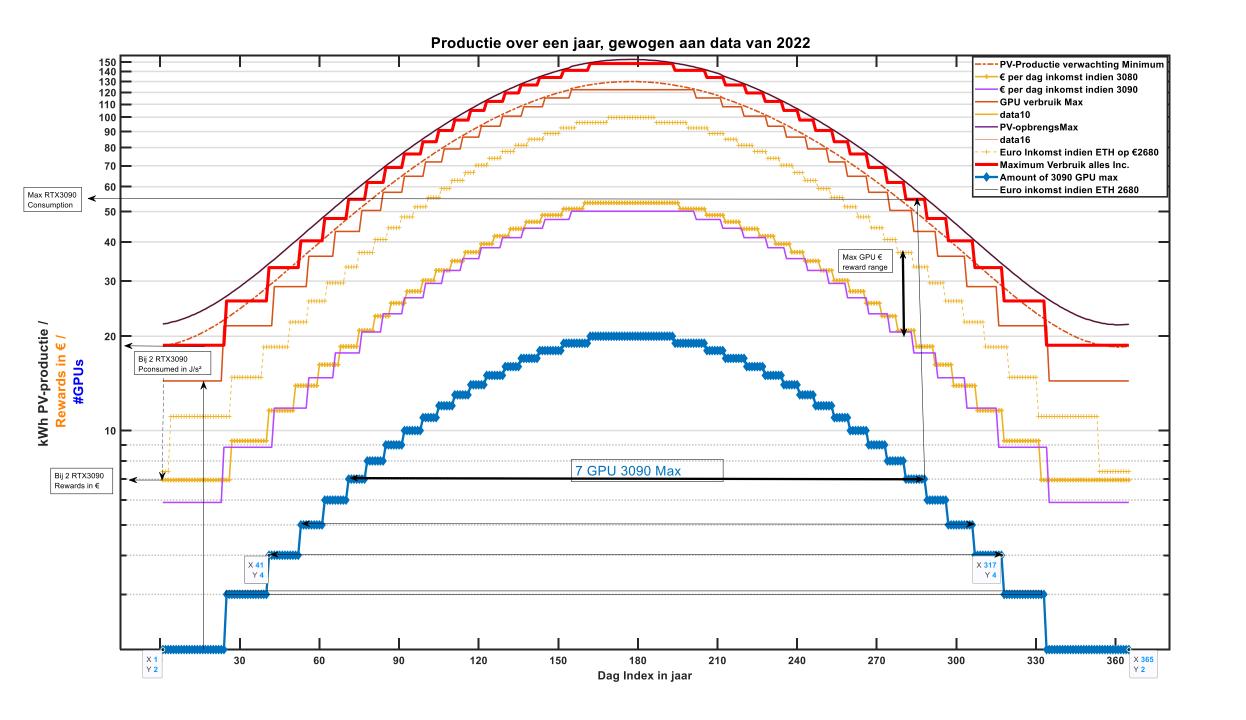
Be aware about the baseline consumption There is a limited amount of GPU's fitting on one mainboard

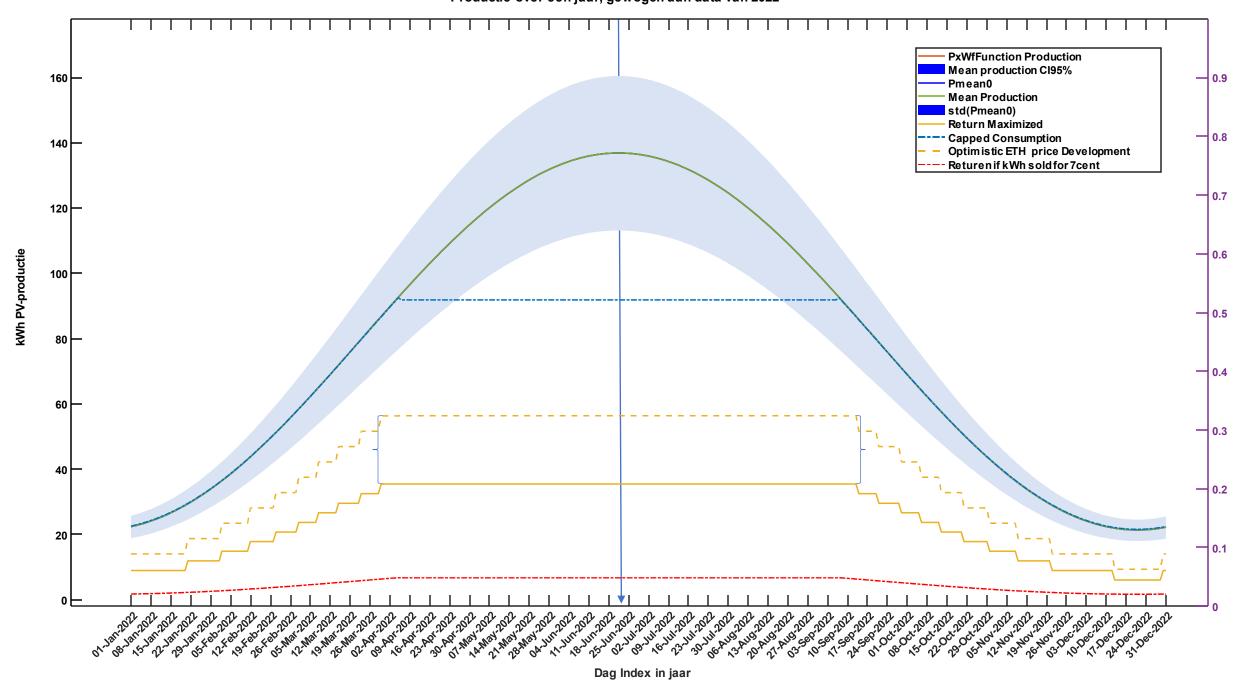
And definetly a secure amount to place o one motherboard

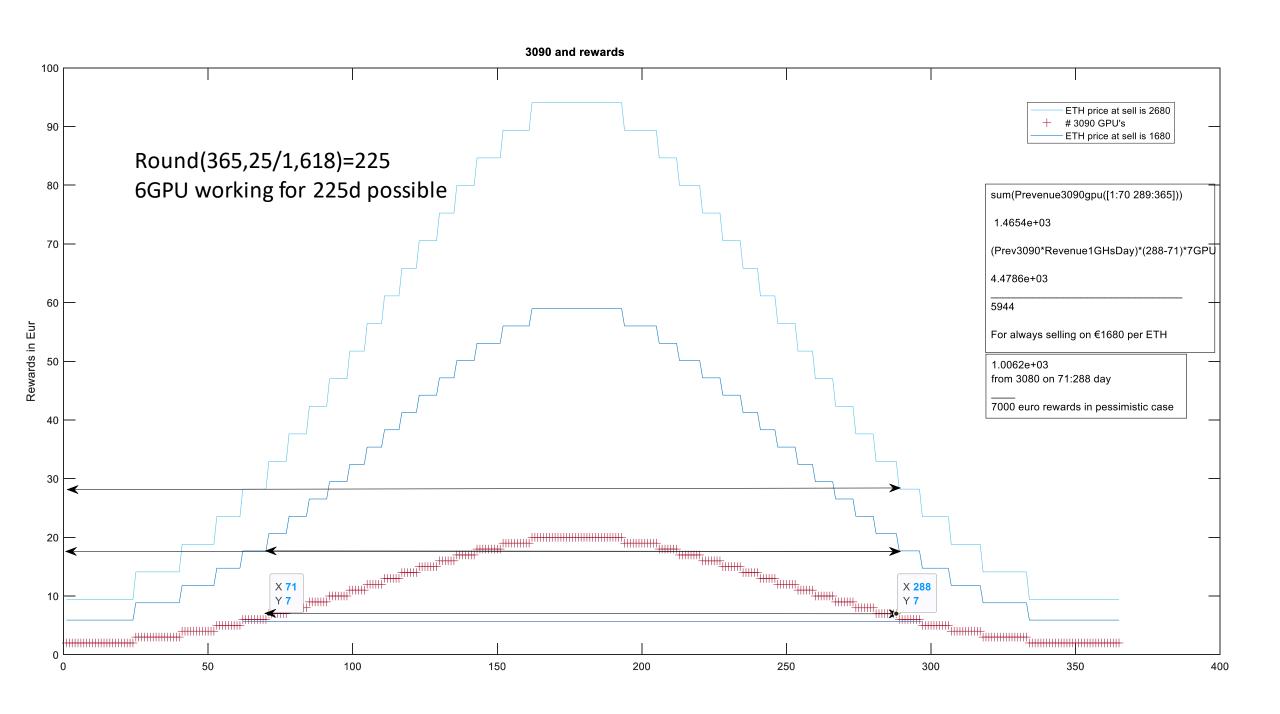
Imagine the 27 gpus requiring about optimistically only 6 motherboards, would increase a 90-120W baseline in the winter to modulate.

=> Conclusion, the more that fit efficient on 2 mainboards(motherboard) will be most probably the highest return/cost rational contents.

Size matters, too big is too big and will fail.. E.g. 900€ implying 8 GPU per motherboard (€280 + 13 processor & RAM = €450) implies that the initial investment is € 26000-30000 for 45 days in a year the yield based on this prognosis is €4500-9000 in this period.



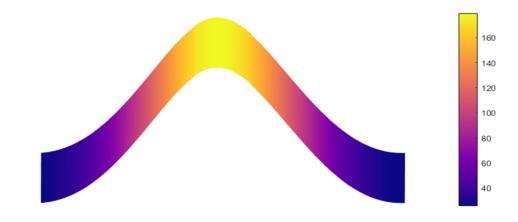




Prognosis lifetime: 12-15y based on the product guarantee security

Things to consider

- Security of a Wake On Lan (WOL) remote control of a dozen Ubuntu OS's on different WLAN/LAN ports.
- If PoS (proof of stake) becomes totally adopted in the cryptocurrency market, this concept will collapse.
- Bitcoin is PoW and again 50% of the total money supply in Blockchaintechnology/Cryptocurrency markets. And will probably remain as such until the lack of rewards on miners will emerge. Leading to the total collapse of a deflating currency inside a superinflatory system.
- 7000-10000 euro's given the 213 day option on 6-7GPU 3090 + 2 GPU 3080 (finetuning lower Power (Watt) GPU's during signicant winter energy shortages)
- If ETH however reaches the €6000 ATH



To do's

 Solve the differential equation for the amount of (n.3080 + m.3090) GPU's that are optimal for doing this job yielding highest d€/dkWh returns.

(Test first solution of 7x3090 + 2x 3080 Nvidia RTX GPU's

- Do your research on the current shortage on Graphical computing power in the field of molecular modelling institutional requirements..
- The calculated power can be used for about anything with a Graphics card, and about nothing else, in case of ASICs.

So why do I care....

If anyone is buying an asset that is probably paying you in kWh as soon as it is installed, and there is a potential Method to get your return of investment back in 2-3 years instead of 8-13 years.

People will realize that they have been spoiled with the ignorance of the intrisic value of the kiloWatt per Hour (kWh)

Graphical Computing power is power.... an equally underestimated asset to

I am aware that i'm doing the only (not only but) logistically reachable target, for integrating the 21st centurary plausible target of being self-sustained