

DATA ENVELOPE ANALYSIS OF IMPLEMENTATION OF ENERGY EFFICIENCY MEASURES IN THE VEGETABLE OIL INDUSTRY

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ABSTRACT

Fat is oil in the industry applied electricity of proceedings models using energy thrifty processes apply and them analysis to do opportunity there is. Fat is oil industry to develop new himself control to do technologies apply through is achieved. This is his in turn, energy thrifty of methods used without good quality product work release requirement is enough It is known that oil is oil in the industry applied machine tools electricity in transmitters electricity of energy big part consumption does, therefore for them energy savings modes control to do and control to do important.

Keywords: Fat is oil mill, energy saving, electricity driver, weaving machine tools.

Current at the time energy important role plays. This is human all of activity main mover is power. Energy change or work perform ability as is described. Population and industry growth energy consumption demand increased. Uzbekistan electricity stations by electricity energy work in release coal, natural gas and fuel oil such as again non-recoverable energy from sources consumers household, commercial and industry purposes wide is used in our country again non-recoverable energy of sources enough that it is not This is the most demanding has been business areas stable development in providing problems injury means. Energy efficiency primary energy resources to use reduction and significant to save reach can. This is the method all industry networks, that's it including oil - oil enterprises for answer will give. This research from transfer the goal each one oil - oil of enterprises energy spending determination and his potential economy from detection consists of However, this research in Uzbekistan oil - oil enterprises in one energy efficiency increase with limited.

Analysis results with modernization done oil - oil enterprises industry continuously development high level autonomy Demand doer antennas, information processors, light sources and sensors such as devices to combine Demand does, Energy of sources existence smart electricity drivers collection and to adjust work to issue directed main They are considered to be a force different different mechanic movements (bending and stretching) and washing under the influence of stability

conditions this devices with merging need procedures. We see our exit need has been cars analysis to do in the process they are energy spending and control lack of because of that it is obsolete let's see it is possible while of the enterprise economic to the side effect does It is known that it is central cocoon cleaning his car automatic manage methods use (Figure 1) and them equipment new technologies based on organize reach energy up to 8-10% savings enable will give.

$$\begin{bmatrix} V_{qs} \\ V_{ds} \end{bmatrix} = \frac{1}{3} \begin{bmatrix} 2 \cos \theta & \cos \theta + \sqrt{3} \sin \theta \\ 2 \sin \theta & \sin \theta - \sqrt{3} \cos \theta \end{bmatrix} \begin{bmatrix} V_{abs} \\ V_{bcs} \end{bmatrix}$$

$$\begin{bmatrix} V'_{qr} \\ V'_{dr} \end{bmatrix} = \frac{1}{3} \begin{bmatrix} 2 \cos \beta & \cos \beta + \sqrt{3} \sin \beta \\ 2 \sin \beta & \sin \beta - \sqrt{3} \cos \beta \end{bmatrix} \begin{bmatrix} V'_{abr} \\ V'_{bcr} \end{bmatrix}$$

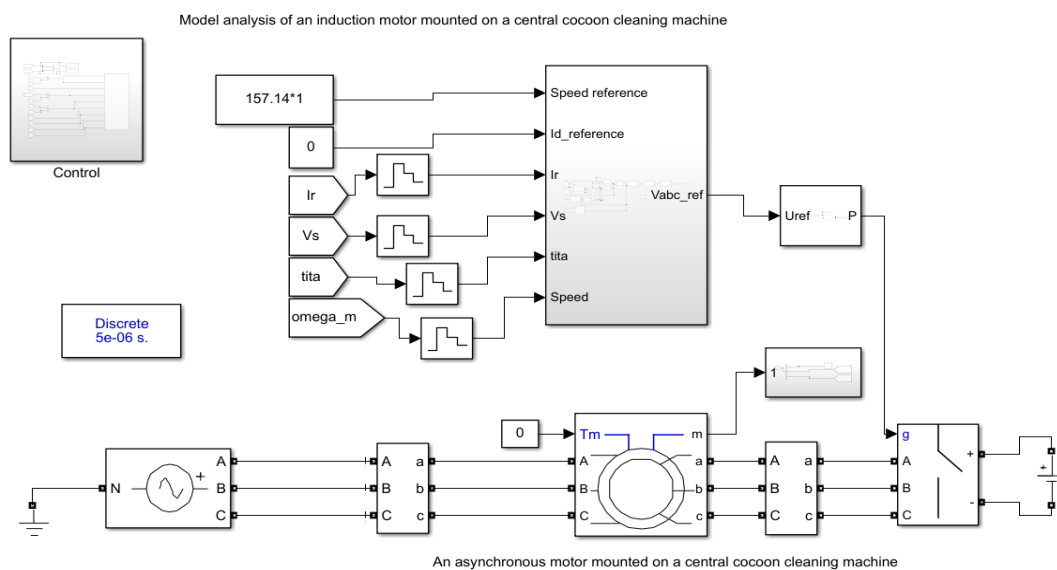
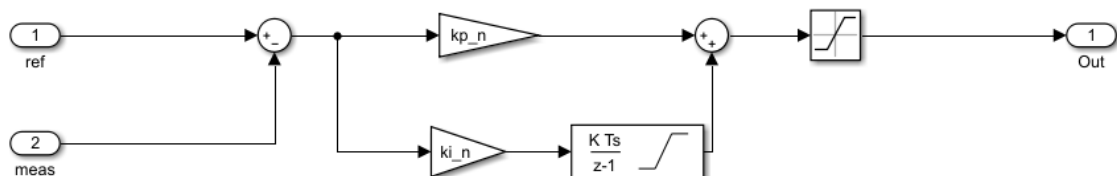


Fig. 1 Oil - oil in the mill there is has been asynchronous the motor management.

Devices and of aggregates energy features compilation to do variable work release conditions many energy balances analysis to do own into takes Energy balances count usually complicated and a lot time Demand who does that it was due to, normative energy descriptions compilation to do computer in programs done increase need



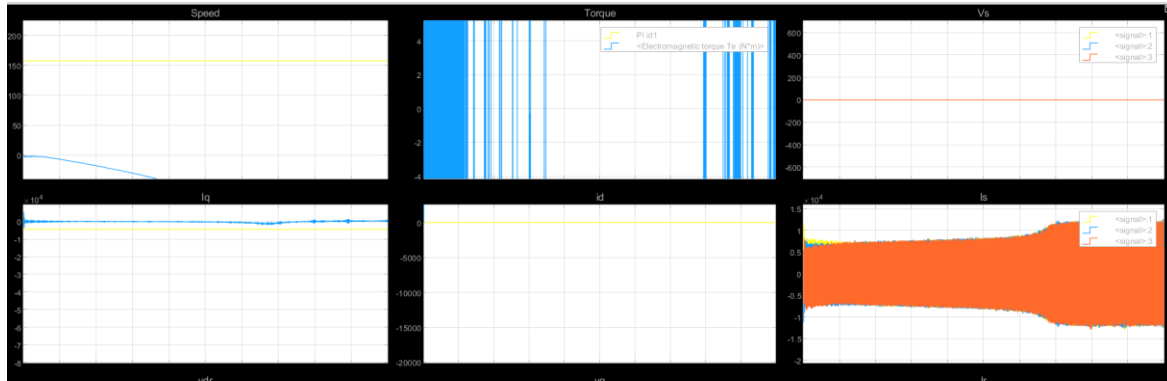


Figure 2 Using the model received characteristics.

Energy a lot Demand who does technological of equipment the work regimes to learn dedicated scientific and technical books analysis that's it showed that the current at the time worker of organs speed regimes to productivity, fiber of products quality indicators, rational to the effect complex effect issues solution is being done. raw material and energy resources consumption enough level not studied.

Electromechanic of the system high speed regimes transport and wrapping mechanisms with manage through energy savings efficiency increase problem was placed and solution done.

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