

Method for proactive changing of excitation voltage $\pm U_{\varphi 1-3}(\omega t)_{36}$ and output energy voltage argument $\pm U_{\varphi 1-3} \sin(\omega t)_{\text{ВНХ}}$ of generator $f_1(\text{Gener}^U)$ upon connection of asynchronous drive $f_2(\text{Drive}^{\text{Power}_{\omega \pm \Delta \omega}})$, wherein functional relations of drive $f_1(\text{Drive}^{\text{Power}_{\omega \pm \Delta \omega}})$, asynchronous drive $f_2(\text{Drive}^{\text{Power}_{\omega \pm \Delta \omega}})$ and functional structure of generator $f_1(\text{Gener}^U)$ are implemented in accordance with mathematical model of the form

$$\begin{aligned}
 & f_1(\mathbf{n-p}^{\uparrow}_{\text{hv}}) \rightarrow (\text{hv}) \quad f_1(\downarrow_{\text{hv}} \mathbf{n-p}) = (\Delta \text{hv}^{\text{T}(t)}) = [\downarrow^1 \mathbf{U}_{\text{ВНХ}}^{\text{T}(t)} \omega^1] \uparrow \\
 & \quad \quad \quad \downarrow_{\text{hv}} \quad \quad \quad \uparrow_{\Delta \text{hv}} \\
 & \quad \quad \quad f_1(\text{Laser Disk}^{\omega}_{\text{Inform}}^{\text{T}}) \\
 & f_1(\text{Drive}^{\text{Power}_{\omega \pm \Delta \omega}}) \equiv f_1(\text{Rotor}^{\text{Drive}}) = f_1(\text{Cont}^{\varphi 1-3}) \leftarrow \begin{aligned} & \xrightarrow{+/-|\pm \varphi 1-3} \pm U(\omega t) \downarrow \\ & \xrightarrow{+/-|\pm \varphi 1-3} \pm U_{\varphi 1-3}(\omega t)_{36} \rightarrow f_{1-6}(\text{Tir})^{\text{p}}_{\text{n}} \leftarrow \pm \varphi 1-3 U_{\text{ynp}} \uparrow \end{aligned} \\
 & \quad \quad \quad \parallel \quad \quad \quad \parallel_{\omega} \quad \quad \quad \parallel_{\omega} \quad \quad \quad \parallel_{\omega} \\
 & f_1(\text{Stator}^{\text{Drive}}) \quad (\text{Mom}^{\omega}_{\text{Rotor}}) \quad f_1(\text{Stator}^{\text{Gener}}) \quad \left. \begin{aligned} & \rightarrow \pm U_{\varphi 1-3} \sin(\omega t)_{\text{ВНХ}} \rightarrow \\ & \downarrow (\text{Start})^1 = \end{aligned} \right\} \rightarrow \pm U_{\varphi 1-3} \sin(\omega t)_{\text{ВНХ}} \\
 & \quad \quad \quad \downarrow \pm \varphi 1-3 U_{\text{ВХ}} \quad \quad \quad \parallel_{\omega} \quad \quad \quad \parallel_{\omega} \quad \quad \quad \parallel_{\omega} \\
 & \quad \quad \quad f_1(\text{Rotor}^{\text{Gener}}) \equiv f_1(\text{Gener}^U) \\
 & \quad \quad \quad \downarrow (\text{Start})^1 = \quad \quad \quad \downarrow U \\
 & \quad \quad \quad f_2(\text{Rotor}^{\text{Drive}}) \equiv f_2(\text{Drive}^{\text{Power}_{\omega \pm \Delta \omega}}) \equiv f_2(\text{Stator}^{\text{Drive}}) \\
 & \quad \quad \quad \parallel_{\omega} \\
 & \quad \quad \quad f_2(\text{Laser Disk}^{\omega}_{\text{Inform}}^{\text{T}}) \\
 & \quad \quad \quad \uparrow_{\text{hv}} \quad \quad \quad \downarrow_{\Delta \text{hv}} \\
 & f_2(\mathbf{n-p}^{\uparrow}_{\text{hv}}) \rightarrow (\text{hv}) \quad f_2(\downarrow_{\text{hv}} \mathbf{n-p}) = (\Delta \text{hv}^{\text{T}(t)}) = [\mathbf{U}_{\text{ВНХ}}^{\text{T}(t)} \omega^2] \uparrow
 \end{aligned}$$

in which input arguments are formed in accordance with analytical expression of the form

$$\left. \begin{aligned} & \downarrow [\mathbf{U}_{\text{ВНХ}}^{\pm \text{T}(t)} \omega^1] = f_1(\downarrow \text{Port}) \\ & [\mathbf{U}_i]_{\text{T}} = f_2(\downarrow \text{Port}) \\ & \downarrow [\mathbf{U}_{\text{ВНХ}}^{\pm \text{T}(t)} \omega^2] = f_3(\downarrow \text{Port}) \end{aligned} \right\} f_1(\text{Core}^{\text{MK}}) \left. \begin{aligned} & \rightarrow f_1(\text{Port}^{\uparrow}) \rightarrow \pm \varphi 1-3 U_{\text{ynp}} \uparrow \\ & = f_2(\text{Port}^{\uparrow}) = (\text{Start})^1 \uparrow \\ & = f_3(\text{Port}^{\uparrow}) \rightarrow \pm \varphi 1-3 U_{\text{ВХ}} \uparrow \end{aligned} \right\}$$