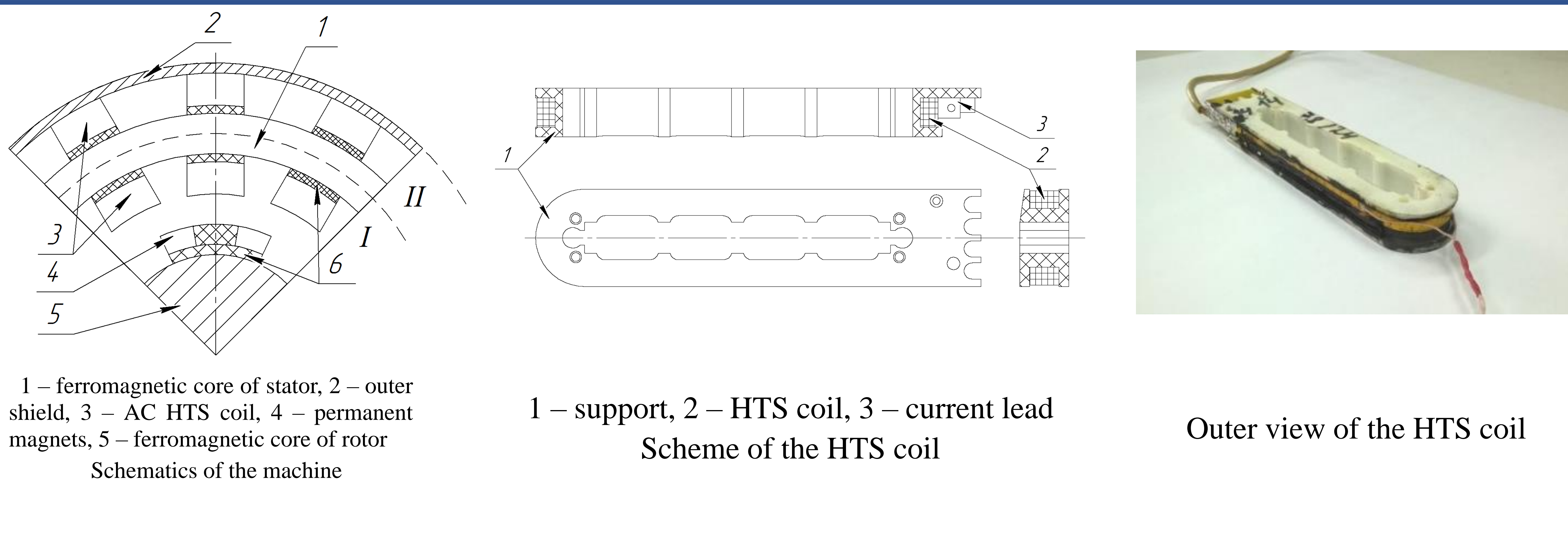


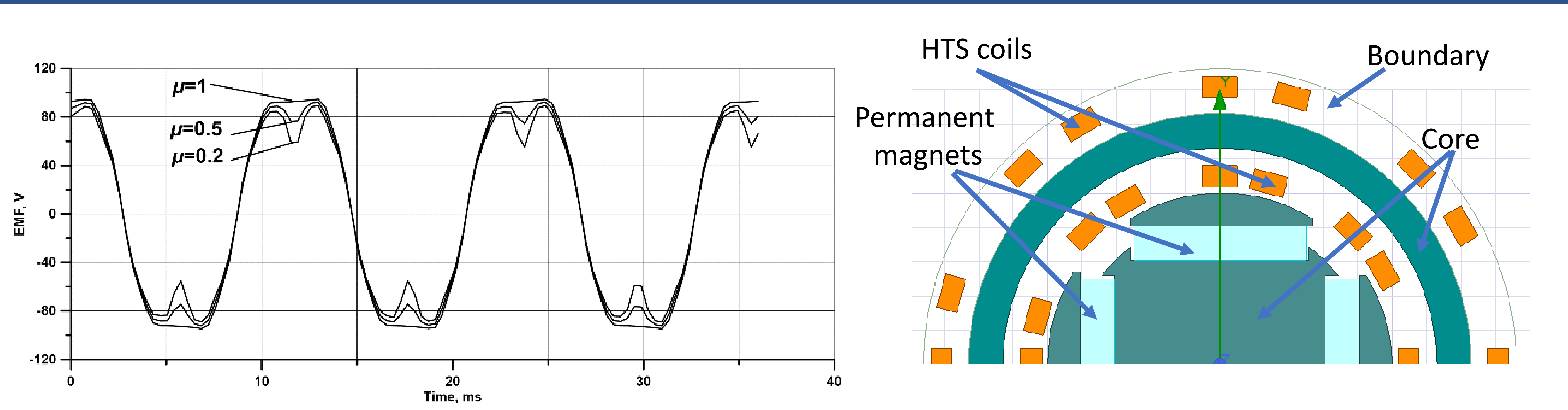


Modeling and experimental research of machine with annular HTS winding

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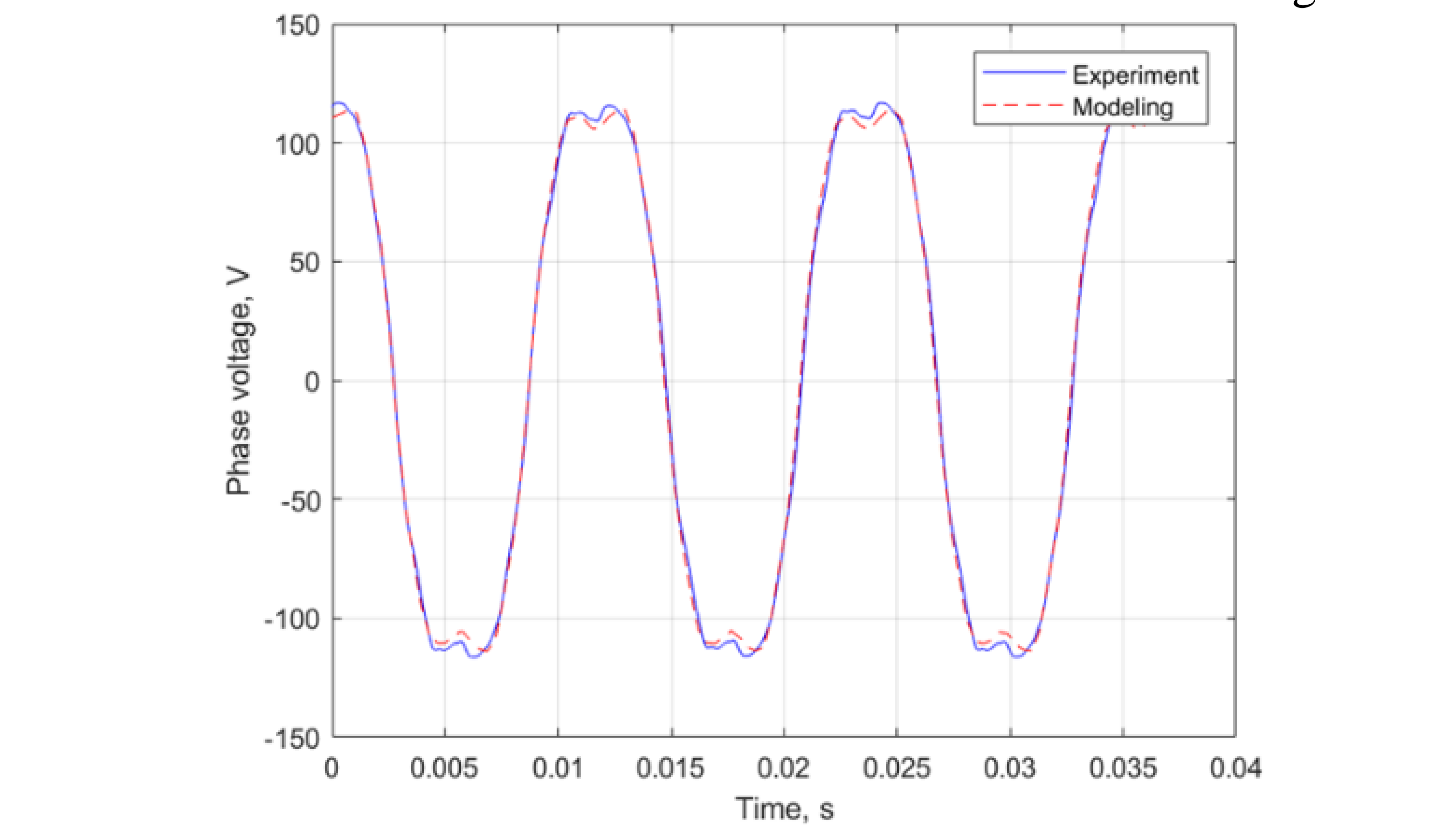


Outer view of the machine with annular HTS winding

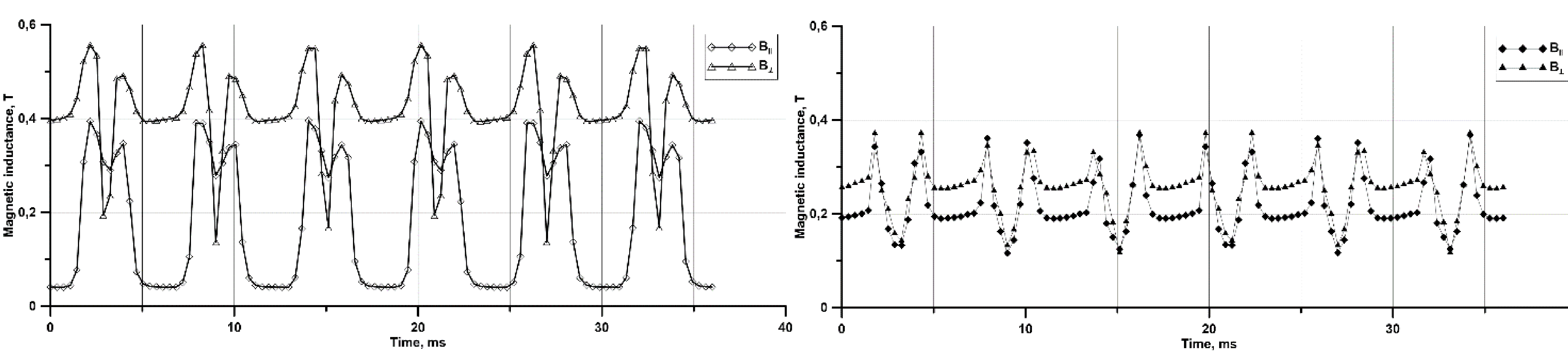


EMF waveform for different value of relative magnetic permeability of HTS coils

FE model of the machine

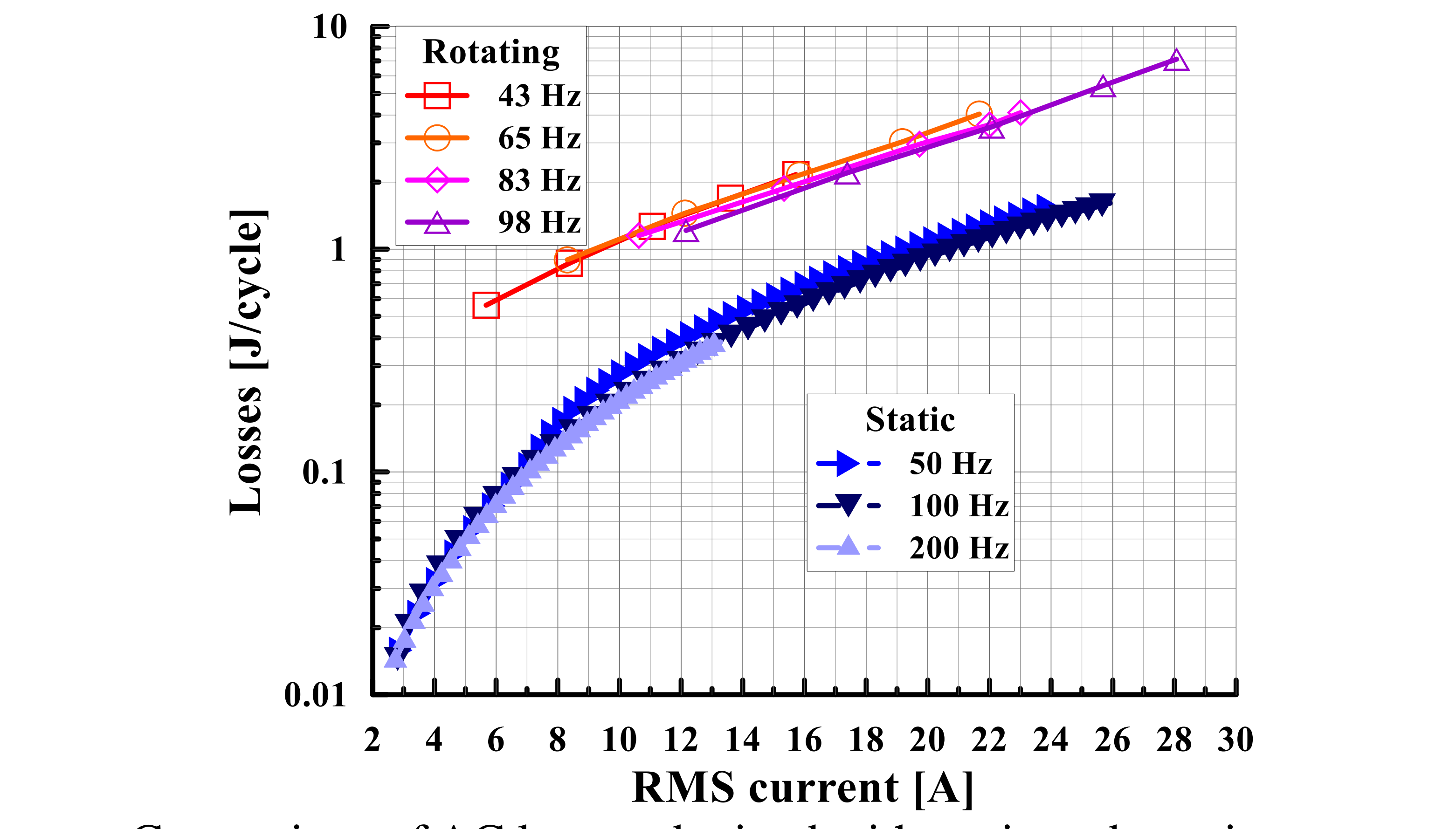


Comparison of EMF obtained by experimental research and modeling



Maximum values of the parallel and perpendicular components of the magnetic induction vector in the field of coils in-time change for $\mu=0.5$

Maximum values of the parallel and perpendicular components of the magnetic induction vector in the field of coils in-time change for $\mu=0.2$



Comparison of AC losses obtained with static and rotating rotor