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NOMENCLATURE

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|------------------------|---|
| DTC | Direct torque control |
| DTC-SVM | Direct torque control space vector modulation |
| SVPWM | space vector Pulse Width Modulation |
| U | Direct voltage source |
| Fij | switching function |
| Vs | Stator voltage vector |
| I α , I β | Stator voltages $\alpha\beta$ components |
| W | Induction motor speed Electromagnetic |
| Wref | Speed reference |
| Ce | Induction motor torque |
| Φ_s | Stator flux |
| Rs | Stator resistance |
| p | Number of pole pairs |