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Some Common Symbols

\mathbf{a}_F :	Artin Reciprocity map
$c\text{-Ind}$:	compact induction functor
δ :	module
$\varepsilon(*, s, \psi)$:	local constant
Ind :	(smooth) induction functor
ι :	normalized induction functor
$L(*, s)$:	L -function
$\ell(*)$:	normalized level
$\lambda_{K/F}(\psi)$:	Langlands constant
ω_π :	central character of π
$\boldsymbol{\pi}_F$:	Langlands correspondence over F
$\tau(*, \psi)$:	Gauss sum

Some Common Abbreviation

If E/F is a finite separable field extension:

$$\begin{aligned}\chi_E &= \chi \circ \mathbf{N}_{E/F}, & \chi & \text{ a character of } F^\times; \\ \psi_E &= \psi \circ \mathbf{Tr}_{E/F}, & \psi & \in \widehat{F}; \\ \rho_E &= \rho | \mathcal{W}_E, & \rho & \in \mathfrak{G}_n^{\text{ss}}(F); \\ \text{Ind}_{E/F} \theta &= \text{Ind}_{\mathcal{W}_E}^{\mathcal{W}_F} \theta, & \theta & \in \mathfrak{G}_m^{\text{ss}}(E); \\ \pi_E &= \text{Lft}_{E/F} \pi, & \pi & \in \mathcal{A}_2^{\text{wt}}(F).\end{aligned}$$

The last only applies when E/F is tame and $p = 2$.

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