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Abbreviations

FC	**F**ractional **C**alculus
SLP(s)	**S**turm-**L**iouville **P**roblem(s)
FSLP(s)	**F**ractional **S**turm-**L**iouville **P**roblem(s)
GFSLP(s)	**G**eneralized **F**ractional **S**turm-**L**iouville **P**roblem(s)
TFSLP(s)	**T**empered **F**ractional **S**turm-**L**iouville **P**roblem(s)
FSLO	**F**ractional **S**turm-**L**iouville **O**perator
R-L	**R**iemann-**L**iouville
CFD(s)	**C**aputo **F**ractional **D**erivative(s)
TFI(s)	**T**empered **F**ractional **I**ntegral(s)
TFD(s)	**T**empered **F**ractional **D**erivative(s)
CGFD(s)	**C**aputo **G**eneralized **F**ractional **D**erivative(s)

Symbols

$\mathbb{R}$	Set of real numbers
$\mathbb{R}^+$	Set of positive real numbers
$AC[a, b]$	Absolutely continuous on $[a, b]$
$L^p(a, b)$	L^p-space
Ω	$[a, b]$
$L^2_w(a, b)$	Weighted L^2-space
$C^2(\Omega)$	2^{nd} derivative continuous on Ω
$\oplus$	Direct sum