% Things Lie newcommand{kb}{mathfrak b} newcommand{kg}{mathfrak g} newcommand{kh}{mathfrak h} newcommand{kn}{mathfrak n} newcommand{ku}{mathfrak u} newcommand{kz}{mathfrak z} DeclareMathOperator{Ext}{Ext} % Ext functor DeclareMathOperator{Tor}{Tor} % Tor functor newcommand{gl}{opname{mathfrak{gl}}} % frak gl group renewcommand{sl}{opname{mathfrak{sl}}} % frak sl group chktex 6

% More script letters etc. newcommand{SA}{mathcal A} newcommand{SB}{mathcal B} newcommand{SC}{mathcal C} newcommand{SF}{mathcal F} newcommand{SG}{mathcal G} newcommand{SH}{mathcal H} newcommand{OO}{mathcal O}

newcommand{SCA}{mathscr A} newcommand{SCB}{mathscr B} newcommand{SCC}{mathscr C} newcommand{SCD}{mathscr D} newcommand{SCE}{mathscr E} newcommand{SCF}{mathscr F} newcommand{SCG}{mathscr G} newcommand{SCH}{mathscr H}

% Mathfrak primes newcommand{km}{mathfrak m} newcommand{kp}{mathfrak p} newcommand{kq}{mathfrak q}

% number sets newcommand{RR}[1][]{ensuremath{ifstrempty{1}{mathbb{R}}{mathbb{R}^{1}}}} newcommand{NN}[1][]{ensuremath{ifstrempty{1}{mathbb{N}}{mathbb{N}^{1}}}} newcommand{ZZ}[1][]{ensuremath{ifstrempty{1}{mathbb{Z}}{mathbb{Z}^{1}}}} newcommand{QQ}[1][]{ensuremath{ifstrempty{1}{mathbb{Q}}{mathbb{Q}^{1}}}} newcommand{CC}[1][]{ensuremath{ifstrempty{1}{mathbb{C}}{mathbb{C}^{1}}}} newcommand{PP}[1][]{ensuremath{ifstrempty{1}{mathbb{P}}{mathbb{P}^{1}}}} newcommand{HH}[1][]{ensuremath{ifstrempty{1}{mathbb{H}}{mathbb{H}^{1}}}} newcommand{FF}[1][]{ensuremath{ifstrempty{1}{mathbb{F}}{mathbb{F}^{1}}}} % expected value newcommand{EE}{ensuremath{mathbb{E}}} newcommand{charin}{text{ char }} DeclareMathOperator{sign}{sign} DeclareMathOperator{Aut}{Aut} DeclareMathOperator{Inn}{Inn} DeclareMathOperator{Syl}{Syl} DeclareMathOperator{Gal}{Gal} DeclareMathOperator{GL}{GL} % General linear group DeclareMathOperator{SL}{SL} % Special linear group

%———————————— % BlackBoard Math Fonts :- %————————————

%Captital Letters newcommand{bbA}{mathbb{A}} newcommand{bbB}{mathbb{B}} newcommand{bbC}{mathbb{C}} newcommand{bbD}{mathbb{D}} newcommand{bbE}{mathbb{E}} newcommand{bbF}{mathbb{F}} newcommand{bbG}{mathbb{G}} newcommand{bbH}{mathbb{H}} newcommand{bbI}{mathbb{I}} newcommand{bbJ}{mathbb{J}} newcommand{bbK}{mathbb{K}} newcommand{bbL}{mathbb{L}} newcommand{bbM}{mathbb{M}} newcommand{bbN}{mathbb{N}} newcommand{bbO}{mathbb{O}} newcommand{bbP}{mathbb{P}} newcommand{bbQ}{mathbb{Q}} newcommand{bbR}{mathbb{R}} newcommand{bbS}{mathbb{S}} newcommand{bbT}{mathbb{T}} newcommand{bbU}{mathbb{U}} newcommand{bbV}{mathbb{V}} newcommand{bbW}{mathbb{W}} newcommand{bbX}{mathbb{X}} newcommand{bbY}{mathbb{Y}} newcommand{bbZ}{mathbb{Z}}

%———————————— % MathCal Fonts :- %————————————

%Captital Letters newcommand{mcA}{mathcal{A}} newcommand{mcB}{mathcal{B}} newcommand{mcC}{mathcal{C}} newcommand{mcD}{mathcal{D}} newcommand{mcE}{mathcal{E}} newcommand{mcF}{mathcal{F}} newcommand{mcG}{mathcal{G}} newcommand{mcH}{mathcal{H}} newcommand{mcI}{mathcal{I}} newcommand{mcJ}{mathcal{J}} newcommand{mcK}{mathcal{K}} newcommand{mcL}{mathcal{L}} newcommand{mcM}{mathcal{M}} newcommand{mcN}{mathcal{N}} newcommand{mcO}{mathcal{O}} newcommand{mcP}{mathcal{P}} newcommand{mcQ}{mathcal{Q}} newcommand{mcR}{mathcal{R}} newcommand{mcS}{mathcal{S}} newcommand{mcT}{mathcal{T}} newcommand{mcU}{mathcal{U}} newcommand{mcV}{mathcal{V}} newcommand{mcW}{mathcal{W}} newcommand{mcX}{mathcal{X}} newcommand{mcY}{mathcal{Y}} newcommand{mcZ}{mathcal{Z}}

%—————————— % Bold Math Fonts :- %——————————

%Captital Letters newcommand{bmA}{boldsymbol{A}} newcommand{bmB}{boldsymbol{B}} newcommand{bmC}{boldsymbol{C}} newcommand{bmD}{boldsymbol{D}} newcommand{bmE} {boldsymbol{E}} newcommand{bmF}{boldsymbol{F}} newcommand{bmG}{boldsymbol{G}} newcommand{bmH}{boldsymbol{H}} newcommand{bmI}{boldsymbol{I}} newcommand{bmJ} {boldsymbol{J}} newcommand{bmK}{boldsymbol{K}} newcommand{bmL}{boldsymbol{L}} newcommand{bmM}{boldsymbol{M}} newcommand{bmN}{boldsymbol{N}} newcommand{bmO} {boldsymbol{O}} newcommand{bmP}{boldsymbol{P}} newcommand{bmQ}{boldsymbol{Q}} newcommand{bmR}{boldsymbol{R}} newcommand{bmS}{boldsymbol{S}} newcommand{bmT} {boldsymbol{T}} newcommand{bmU}{boldsymbol{U}} newcommand{bmV}{boldsymbol{V}} newcommand{bmW}{boldsymbol{W}} newcommand{bmX}{boldsymbol{X}} newcommand{bmY} {boldsymbol{Y}} newcommand{bmZ}{boldsymbol{Z}} %Small Letters newcommand{bma} {boldsymbol{a}} newcommand{bmb}{boldsymbol{b}} newcommand{bmc}{boldsymbol{c}} newcommand{bmd}{boldsymbol{d}} newcommand{bme}{boldsymbol{e}} newcommand{bmf} {boldsymbol{f}} newcommand{bmg}{boldsymbol{g}} newcommand{bmh}{boldsymbol{h}} newcommand{bmi}{boldsymbol{i}} newcommand{bmj}{boldsymbol{j}} newcommand{bmk} {boldsymbol{k}} newcommand{bml}{boldsymbol{l}} newcommand{bmm}{boldsymbol{m}} newcommand{bmn}{boldsymbol{n}} newcommand{bmo}{boldsymbol{o}} newcommand{bmp} {boldsymbol{p}} newcommand{bmq}{boldsymbol{q}} newcommand{bmr}{boldsymbol{r}} newcommand{bms}{boldsymbol{s}} newcommand{bmt}{boldsymbol{t}} newcommand{bmu} {boldsymbol{u}} newcommand{bmv}{boldsymbol{v}} newcommand{bmw}{boldsymbol{w}} newcommand{bmx}{boldsymbol{x}} newcommand{bmy}{boldsymbol{y}} newcommand{bmz} {boldsymbol{z}}

%—————————— % Scr Math Fonts :- %——————————

newcommand{sA}{{mathscr{A}}} newcommand{sB}{{mathscr{B}}} newcommand{sC}{{mathscr{C}}} newcommand{sD}{{mathscr{D}}} newcommand{sE}{{mathscr{E}}} newcommand{sF}{{mathscr{F}}} newcommand{sG}{{mathscr{G}}} newcommand{sH}{{mathscr{H}}} newcommand{sI}{{mathscr{I}}} newcommand{sJ}{{mathscr{J}}} newcommand{sK}{{mathscr{K}}} newcommand{sL}{{mathscr{L}}} newcommand{sM}{{mathscr{M}}} newcommand{sN}{{mathscr{N}}} newcommand{sO}{{mathscr{O}}} newcommand{sP}{{mathscr{P}}} newcommand{sQ}{{mathscr{Q}}} newcommand{sR}{{mathscr{R}}} newcommand{sS}{{mathscr{S}}} newcommand{sT}{{mathscr{T}}} newcommand{sU}{{mathscr{U}}} newcommand{sV}{{mathscr{V}}} newcommand{sW}{{mathscr{W}}} newcommand{sX}{{mathscr{X}}} newcommand{sY}{{mathscr{Y}}} newcommand{sZ}{{mathscr{Z}}}

%—————————— % Math Fraktur Font %——————————

%Captital Letters newcommand{mfA}{mathfrak{A}} newcommand{mfB}{mathfrak{B}} newcommand{mfC}{mathfrak{C}} newcommand{mfD}{mathfrak{D}} newcommand{mfE}{mathfrak{E}} newcommand{mfF}{mathfrak{F}} newcommand{mfG}{mathfrak{G}} newcommand{mfH}{mathfrak{H}} newcommand{mfI}{mathfrak{I}} newcommand{mfJ}{mathfrak{J}} newcommand{mfK}{mathfrak{K}} newcommand{mfL}{mathfrak{L}} newcommand{mfM}{mathfrak{M}} newcommand{mfN} {mathfrak{N}} newcommand{mfO}{mathfrak{O}} newcommand{mfP}{mathfrak{P}} newcommand{mfQ}{mathfrak{Q}} newcommand{mfR}{mathfrak{R}} newcommand{mfS}{mathfrak{S}} newcommand{mfT}{mathfrak{T}} newcommand{mfU}{mathfrak{U}} newcommand{mfV}{mathfrak{V}} newcommand{mfW}{mathfrak{W}} newcommand{mfX}{mathfrak{X}} newcommand{mfY} {mathfrak{Y}} newcommand{mfZ}{mathfrak{Z}} %Small Letters newcommand{mfa}{mathfrak{a}} newcommand{mfb}{mathfrak{b}} newcommand{mfc}{mathfrak{c}} newcommand{mfd}{mathfrak{d}} newcommand{mfe}{mathfrak{e}} newcommand{mff}{mathfrak{f}} newcommand{mfg}{mathfrak{g}} newcommand{mfh}{mathfrak{h}} newcommand{mfi}{mathfrak{i}} newcommand{mfj}{mathfrak{j}}

newcommand{mfk}{mathfrak{k}} newcommand{mfl}{mathfrak{l}} newcommand{mfm}{mathfrak{m}}
newcommand{mfn}{mathfrak{n}} newcommand{mfo}{mathfrak{o}} newcommand{mfp}{mathfrak{p}}
newcommand{mfq}{mathfrak{q}} newcommand{mfr}{mathfrak{r}} newcommand{mfs}{mathfrak{s}}
newcommand{mft}{mathfrak{t}} newcommand{mfu}{mathfrak{u}} newcommand{mfv}{mathfrak{v}}
newcommand{mfw}{mathfrak{w}} newcommand{mfx}{mathfrak{x}} newcommand{mfy}{mathfrak{y}}
newcommand{mfz}{mathfrak{z}}