R datasets	MAE	MSE	RMSE	RRMSE	ED	R2
$\overline{\mathrm{NOZS}_{BR}}$						
$NOZS_{RC}$						
$NOZS_{STA}$						
$NOZS_{DBR}$						
$\overline{\mathrm{MTZS}_{SRE,BR}}$		7.8(5)				
$MTZS_{SRE,RC}$						
$MTZS_{SRE,STA}$				7.4(3)		6.9(2)
$MTZS_{SRE,DBR}$. ,		· /
$\overline{ ext{MTZS}_{SRM,BR}}$		7.8(5)				
$MTZS_{SRM,RC}$	7.0(2)					
$MTZS_{SRM,STA}$	6.0(1)			6.4(1)		6.2(1)
$MTZS_{SRM,DBR}$	7.1(3)			` /		()
$\overline{\mathrm{ZSMT}_{SRE,BR}}$		7.8(5)				
$ZSMT_{SRE,RC}$		7.5(4)				
$ZSMT_{SRE,STA}$		7.0(1)	7.3(1)	7.3(2)	7.0(1)	7.8(4)
$ZSMT_{SRE,DBR}$		7.4(3)	7.5(2)	7.8(4)	7.4(2)	()
$\overline{\mathrm{ZSMT}_{SRM,BR}}$		7.8(5)	()		()	
$ZSMT_{SRM,RC}$		7.2(2)	7.9(4)			
$ZSMT_{SRM,STA}$		(-)	7.6(3)		7.6(4)	7.5(3)
$ZSMT_{SRM,DBR}$	8.0(4)	7.2(2)	(-)		(-)	(-)
Bitm,BBit		. ()				
S datasets	MAE	MSE	RMSE	RRMSE	ED	$\overline{ m R2}$
	MAE	MSE	RMSE	RRMSE	ED	R2
$\overline{\mathrm{NOZS}_{BR}}$	MAE	MSE	RMSE	RRMSE	ED	R2
${\stackrel{\hbox{NOZS}_{BR}}{\operatorname{NOZS}_{RC}}}$	MAE	MSE	RMSE	RRMSE	ED	R2
$egin{array}{l} \mathrm{NOZS}_{BR} \ \mathrm{NOZS}_{RC} \ \mathrm{NOZS}_{STA} \end{array}$	MAE	MSE	RMSE	RRMSE	ED	R2
$egin{array}{l} { m NOZS}_{BR} \ { m NOZS}_{RC} \ { m NOZS}_{STA} \ { m NOZS}_{DBR} \end{array}$						
$egin{array}{l} ext{NOZS}_{BR} \ ext{NOZS}_{RC} \ ext{NOZS}_{STA} \ ext{NOZS}_{DBR} \ ext{MTZS}_{SRE,BR} \end{array}$	MAE 5.2(2)	MSE 5.1(2)	RMSE 5.2(2)	5.1(2)	ED 5.2(2)	R2 5.1(1)
$egin{array}{l} { m NOZS}_{BR} \ { m NOZS}_{RC} \ { m NOZS}_{STA} \ { m NOZS}_{DBR} \ { m MTZS}_{SRE,BR} \ { m MTZS}_{SRE,RC} \end{array}$						
$egin{array}{l} { m NOZS}_{BR} \ { m NOZS}_{RC} \ { m NOZS}_{STA} \ { m NOZS}_{DBR} \ { m MTZS}_{SRE,BR} \ { m MTZS}_{SRE,RC} \ { m MTZS}_{SRE,STA} \ \end{array}$						
$egin{array}{l} { m NOZS}_{BR} \\ { m NOZS}_{RC} \\ { m NOZS}_{STA} \\ { m NOZS}_{DBR} \\ \hline { m MTZS}_{SRE,BR} \\ { m MTZS}_{SRE,RC} \\ { m MTZS}_{SRE,STA} \\ { m MTZS}_{SRE,DBR} \\ \hline \end{array}$	5.2(2)	5.1(2)	5.2(2)		5.2(2)	5.1(1)
$egin{array}{l} { m NOZS}_{BR} \\ { m NOZS}_{RC} \\ { m NOZS}_{STA} \\ { m NOZS}_{DBR} \\ \hline { m MTZS}_{SRE,BR} \\ { m MTZS}_{SRE,RC} \\ { m MTZS}_{SRE,STA} \\ \hline { m MTZS}_{SRE,DBR} \\ \hline { m MTZS}_{SRM,BR} \\ \hline \end{array}$						5.1(1) 5.5(2)
$egin{array}{l} { m NOZS}_{BR} \\ { m NOZS}_{RC} \\ { m NOZS}_{STA} \\ { m NOZS}_{DBR} \\ \hline { m MTZS}_{SRE,BR} \\ { m MTZS}_{SRE,RC} \\ { m MTZS}_{SRE,STA} \\ \hline { m MTZS}_{SRE,DBR} \\ \hline { m MTZS}_{SRM,BR} \\ { m MTZS}_{SRM,RC} \\ \hline \end{array}$	5.2(2)	5.1(2)	5.2(2)		5.2(2)	5.1(1)
$egin{array}{l} NOZS_{BR} \ NOZS_{RC} \ NOZS_{STA} \ \hline NOZS_{DBR} \ \hline MTZS_{SRE,BR} \ MTZS_{SRE,RC} \ MTZS_{SRE,CDBR} \ \hline MTZS_{SRE,DBR} \ \hline MTZS_{SRM,BR} \ MTZS_{SRM,RC} \ MTZS_{SRM,RC} \ MTZS_{SRM,STA} \ \hline \end{array}$	5.2(2)	5.1(2)	5.2(2)		5.2(2)	5.1(1) 5.5(2)
$\begin{array}{c} \text{NOZS}_{BR} \\ \text{NOZS}_{RC} \\ \text{NOZS}_{STA} \\ \text{NOZS}_{DBR} \\ \hline \text{MTZS}_{SRE,BR} \\ \text{MTZS}_{SRE,RC} \\ \text{MTZS}_{SRE,STA} \\ \hline \text{MTZS}_{SRE,DBR} \\ \hline \text{MTZS}_{SRM,BR} \\ \hline \text{MTZS}_{SRM,BR} \\ \text{MTZS}_{SRM,RC} \\ \text{MTZS}_{SRM,STA} \\ \text{MTZS}_{SRM,DBR} \end{array}$	5.2(2) 4.8(1)	5.1(2) 5.5(3)	5.2(2) 5.8(4)	5.1(2)	5.2(2) 6.0(5)	5.1(1) 5.5(2) 10.9(5)
$\begin{array}{c} \text{NOZS}_{BR} \\ \text{NOZS}_{RC} \\ \text{NOZS}_{STA} \\ \text{NOZS}_{DBR} \\ \\ \overline{\text{MTZS}}_{SRE,BR} \\ \overline{\text{MTZS}}_{SRE,RC} \\ \overline{\text{MTZS}}_{SRE,STA} \\ \overline{\text{MTZS}}_{SRE,DBR} \\ \overline{\text{MTZS}}_{SRM,BR} \\ \overline{\text{MTZS}}_{SRM,RC} \\ \overline{\text{MTZS}}_{SRM,STA} \\ \overline{\text{MTZS}}_{SRM,DBR} \\ \overline{\text{ZSMT}}_{SRE,BR} \end{array}$	5.2(2)	5.1(2) 5.5(3) 5.1(2)	5.2(2) 5.8(4) 5.2(2)	5.1(2) 5.1(2)	5.2(2) 6.0(5)	5.1(1) 5.5(2) 10.9(5) 5.1(1)
$\begin{array}{c} \text{NOZS}_{BR} \\ \text{NOZS}_{RC} \\ \text{NOZS}_{STA} \\ \text{NOZS}_{DBR} \\ \hline \text{MTZS}_{SRE,BR} \\ \text{MTZS}_{SRE,RC} \\ \text{MTZS}_{SRE,STA} \\ \hline \text{MTZS}_{SRE,DBR} \\ \hline \hline \text{MTZS}_{SRM,BR} \\ \hline \text{MTZS}_{SRM,RC} \\ \hline \text{MTZS}_{SRM,STA} \\ \hline \text{MTZS}_{SRM,STA} \\ \hline \text{MTZS}_{SRM,DBR} \\ \hline \hline \text{ZSMT}_{SRE,BR} \\ \hline \text{ZSMT}_{SRE,RC} \end{array}$	5.2(2) 4.8(1) 5.2(2)	5.1(2) 5.5(3) 5.1(2) 6.6(5)	5.2(2) 5.8(4) 5.2(2) 5.2(2)	5.1(2)	5.2(2) 6.0(5)	5.1(1) 5.5(2) 10.9(5) 5.1(1) 6.5(3)
$\begin{array}{c} \text{NOZS}_{BR} \\ \text{NOZS}_{RC} \\ \text{NOZS}_{STA} \\ \text{NOZS}_{DBR} \\ \hline \text{MTZS}_{SRE,BR} \\ \text{MTZS}_{SRE,RC} \\ \text{MTZS}_{SRE,STA} \\ \hline \text{MTZS}_{SRE,STA} \\ \hline \text{MTZS}_{SRM,BR} \\ \hline \text{MTZS}_{SRM,BR} \\ \hline \text{MTZS}_{SRM,BR} \\ \hline \text{MTZS}_{SRM,STA} \\ \hline \text{MTZS}_{SRM,DBR} \\ \hline \hline \text{ZSMT}_{SRE,BR} \\ \hline \text{ZSMT}_{SRE,RC} \\ \hline \text{ZSMT}_{SRE,RC} \\ \hline \end{array}$	5.2(2) 4.8(1) 5.2(2) 5.2(2)	5.1(2) 5.5(3) 5.1(2) 6.6(5) 5.9(4)	5.2(2) 5.8(4) 5.2(2) 5.2(2) 6.2(5)	5.1(2) 5.1(2) 5.2(3)	5.2(2) 6.0(5) 5.2(2) 5.2(2)	5.1(1) 5.5(2) 10.9(5) 5.1(1) 6.5(3) 5.5(2)
$\begin{array}{c} \text{NOZS}_{BR} \\ \text{NOZS}_{RC} \\ \text{NOZS}_{STA} \\ \text{NOZS}_{DBR} \\ \hline \text{MTZS}_{SRE,BR} \\ \text{MTZS}_{SRE,RC} \\ \text{MTZS}_{SRE,STA} \\ \hline \text{MTZS}_{SRE,STA} \\ \hline \text{MTZS}_{SRM,BR} \\ \hline \text{MTZS}_{SRM,BR} \\ \hline \text{MTZS}_{SRM,BR} \\ \hline \text{MTZS}_{SRM,BR} \\ \hline \text{MTZS}_{SRM,STA} \\ \hline \text{MTZS}_{SRM,DBR} \\ \hline \text{ZSMT}_{SRE,BR} \\ \hline \text{ZSMT}_{SRE,BR} \\ \hline \text{ZSMT}_{SRE,RC} \\ \hline \text{ZSMT}_{SRE,STA} \\ \hline \text{ZSMT}_{SRE,STA} \\ \hline \text{ZSMT}_{SRE,DBR} \\ \hline \end{array}$	5.2(2) 4.8(1) 5.2(2) 5.2(2) 6.0(4)	5.1(2) 5.5(3) 5.1(2) 6.6(5) 5.9(4) 5.1(2)	5.2(2) 5.8(4) 5.2(2) 5.2(2) 6.2(5) 4.7(1)	5.1(2) 5.1(2)	5.2(2) 6.0(5) 5.2(2) 5.2(2) 4.7(1)	5.1(1) 5.5(2) 10.9(5) 5.1(1) 6.5(3) 5.5(2) 5.1(1)
$\begin{array}{c} \text{NOZS}_{BR} \\ \text{NOZS}_{RC} \\ \text{NOZS}_{STA} \\ \text{NOZS}_{DBR} \\ \hline \text{MTZS}_{SRE,BR} \\ \text{MTZS}_{SRE,RC} \\ \hline \text{MTZS}_{SRE,STA} \\ \hline \text{MTZS}_{SRE,STA} \\ \hline \text{MTZS}_{SRM,BR} \\ \hline \text{MTZS}_{SRM,BR} \\ \hline \text{MTZS}_{SRM,BR} \\ \hline \text{MTZS}_{SRM,BR} \\ \hline \text{MTZS}_{SRM,STA} \\ \hline \text{MTZS}_{SRM,DBR} \\ \hline \hline \text{ZSMT}_{SRE,BR} \\ \hline \text{ZSMT}_{SRE,RC} \\ \hline \text{ZSMT}_{SRE,STA} \\ \hline \text{ZSMT}_{SRE,STA} \\ \hline \text{ZSMT}_{SRE,DBR} \\ \hline \hline \text{ZSMT}_{SRE,DBR} \\ \hline \end{array}$	5.2(2) 4.8(1) 5.2(2) 5.2(2) 6.0(4) 4.8(1)	5.1(2) 5.5(3) 5.1(2) 6.6(5) 5.9(4)	5.2(2) 5.8(4) 5.2(2) 5.2(2) 6.2(5) 4.7(1) 5.8(4)	5.1(2) 5.1(2) 5.2(3) 4.5(1)	5.2(2) 6.0(5) 5.2(2) 5.2(2) 4.7(1) 6.0(5)	5.1(1) 5.5(2) 10.9(5) 5.1(1) 6.5(3) 5.5(2) 5.1(1) 5.5(2)
$\begin{array}{c} \text{NOZS}_{BR} \\ \text{NOZS}_{RC} \\ \text{NOZS}_{STA} \\ \text{NOZS}_{DBR} \\ \\ \overline{\text{MTZS}}_{SRE,BR} \\ \overline{\text{MTZS}}_{SRE,RC} \\ \overline{\text{MTZS}}_{SRE,STA} \\ \overline{\text{MTZS}}_{SRE,DBR} \\ \overline{\text{MTZS}}_{SRM,BR} \\ \overline{\text{MTZS}}_{SRM,RC} \\ \overline{\text{MTZS}}_{SRM,RC} \\ \overline{\text{MTZS}}_{SRM,STA} \\ \overline{\text{MTZS}}_{SRM,DBR} \\ \overline{\text{ZSMT}}_{SRE,BR} \\ \overline{\text{ZSMT}}_{SRE,RC} \\ \overline{\text{ZSMT}}_{SRE,STA} \\ \overline{\text{ZSMT}}_{SRE,DBR} \\ \overline{\text{ZSMT}}_{SRE,DBR} \\ \overline{\text{ZSMT}}_{SRM,BR} \\ \overline{\text{ZSMT}}_{SRM,BR} \\ \overline{\text{ZSMT}}_{SRM,BR} \\ \overline{\text{ZSMT}}_{SRM,RC} \\ \end{array}$	5.2(2) 4.8(1) 5.2(2) 5.2(2) 6.0(4) 4.8(1) 6.9(5)	5.1(2) 5.5(3) 5.1(2) 6.6(5) 5.9(4) 5.1(2) 5.5(3)	5.2(2) 5.8(4) 5.2(2) 5.2(2) 6.2(5) 4.7(1)	5.1(2) 5.1(2) 5.2(3)	5.2(2) 6.0(5) 5.2(2) 5.2(2) 4.7(1)	5.1(1) 5.5(2) 10.9(5) 5.1(1) 6.5(3) 5.5(2) 5.1(1) 5.5(2) 7.0(4)
$\begin{array}{c} \text{NOZS}_{BR} \\ \text{NOZS}_{RC} \\ \text{NOZS}_{STA} \\ \text{NOZS}_{DBR} \\ \hline \text{MTZS}_{SRE,BR} \\ \text{MTZS}_{SRE,RC} \\ \hline \text{MTZS}_{SRE,STA} \\ \hline \text{MTZS}_{SRE,STA} \\ \hline \text{MTZS}_{SRM,BR} \\ \hline \text{MTZS}_{SRM,BR} \\ \hline \text{MTZS}_{SRM,BR} \\ \hline \text{MTZS}_{SRM,BR} \\ \hline \text{MTZS}_{SRM,STA} \\ \hline \text{MTZS}_{SRM,DBR} \\ \hline \hline \text{ZSMT}_{SRE,BR} \\ \hline \text{ZSMT}_{SRE,RC} \\ \hline \text{ZSMT}_{SRE,STA} \\ \hline \text{ZSMT}_{SRE,STA} \\ \hline \text{ZSMT}_{SRE,DBR} \\ \hline \hline \text{ZSMT}_{SRE,DBR} \\ \hline \end{array}$	5.2(2) 4.8(1) 5.2(2) 5.2(2) 6.0(4) 4.8(1)	5.1(2) 5.5(3) 5.1(2) 6.6(5) 5.9(4) 5.1(2)	5.2(2) 5.8(4) 5.2(2) 5.2(2) 6.2(5) 4.7(1) 5.8(4)	5.1(2) 5.1(2) 5.2(3) 4.5(1)	5.2(2) 6.0(5) 5.2(2) 5.2(2) 4.7(1) 6.0(5)	5.1(1) 5.5(2) 10.9(5) 5.1(1) 6.5(3) 5.5(2) 5.1(1) 5.5(2)

Table 1: Summary of the the first five pairs of multi-target and SR methods which provides the best performance according to the different quality measures for both artificial R and S datasets