```
\delta dn[\lambda_{n}, n_{n}, d_{n}] := \delta dn[\lambda_{n}, n_{n}, d] = \frac{2 \cdot *Pi}{\lambda_{n}} *n[\lambda_{n}] *d;
\mathsf{Mdn}[\lambda\_, n\_, d\_] := \mathsf{Mdn}[\lambda, n, d] = \left\{ \left\{ \mathsf{Cos}[\delta \mathsf{dn}[\lambda, n, d]], \frac{\bar{l}}{n[\lambda]} * \mathsf{Sin}[\delta \mathsf{dn}[\lambda, n, d]] \right\}, \{\bar{l}*n[\lambda] * \mathsf{Sin}[\delta \mathsf{dn}[\lambda, n, d]], \mathsf{Cos}[\delta \mathsf{dn}[\lambda, n, d]] \right\};
R[\lambda_{-}, d_{-}] := Abs \left[ \frac{M[\lambda_{+}, d][1] - M[\lambda_{+}, d][2]}{M[\lambda_{+}, d][1] + M[\lambda_{+}, d][2]} \right]^{2};
T[\lambda_, d] := (4.*Re[nkSidata[\lambda]]) / Abs[M[\lambda, d][[1]] + M[\lambda, d][[2]]]^2;
A[\lambda\_, d\_] := (4*Re[M[\lambda, d][[1]]*Conjugate[M[\lambda, d][[2]]] - nkSidata[\lambda]]) / Abs[M[\lambda, d][[1]] + M[\lambda, d][[2]]]^2;
Sisource = Import["/home/ph2/Desktop/MgF2_Si/Si_n 0.25-20 \mum, k 0.25-1.45U2-20 \mum.csv"];
nSidata = Interpolation[Sisource[2;;][[All, {1, 2}]]];
kSidata = Interpolation[Sisource[2;][[All, {1, 3}]]];
nkSidata[\lambda] := nkSidata[\lambda] = nSidata[\lambda] - i * kSidata[\lambda];
MgF2source = Import["/home/ph2/Desktop/MgF2_Si/MgF2_Rodriguez-de Marcos et al. 2017, n, k 0.03-2.0 μm.csv"];
nMgF2data = Interpolation[MgF2source[[2 ;;]][All, {1, 2}]]];
kMgF2data = Interpolation[MgF2source[2;;][[All, {1, 3}]]];
nkMgF2data[\lambda] = nMgF2data[\lambda] - i * kMgF2data[\lambda];
M[\lambda_j, d_j] = Mdn[\lambda, nkMgF2data, d].{1., nkSidata[\lambda]};
Plot[100*R[\lambda, \pm], \{\lambda, .26, .79\}, PlotRange \rightarrow \{0, 100\}, AxesLabel \rightarrow \{"\lambda/\mu m", "R/%"\}, ImageSize \rightarrow Medium,
    GridLines \rightarrow {Table[{i, Gray}, {i, 0.26, 0.79, 0.01}], Table[{j, Gray}, {j, 0, 100, 2}]}, PlotLabel \rightarrow "d = "~StringJoin~ToString[#]~StringJoin~" \mum"] & /@
{0.625, .45, 0.43, 0.}
```