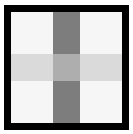
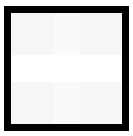
1 Clean DWI (b-value=1500, SNR=10000)

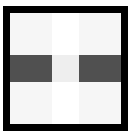
(−1.00, −0.01, 0.01)

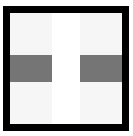
(−0.00, −1.00, −0.00)

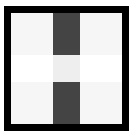
(−0.02, −0.65, −0.76)

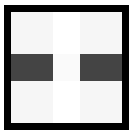
(−0.59, −0.77, 0.25)


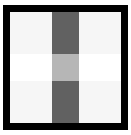
(−0.24, 0.53, −0.82)


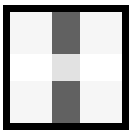
(−0.89, 0.26, −0.36)


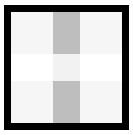
(−0.80, 0.13, 0.59)


(−0.23, 0.93, 0.28)


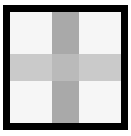
(−0.94, 0.15, 0.32)


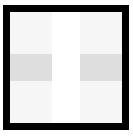
(−0.50, −0.85, −0.17)


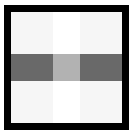
(−0.35, −0.85, −0.40)


(−0.46, −0.64, −0.62)


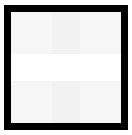
(−0.49, 0.39, −0.78)

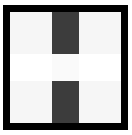
(−0.62, −0.68, −0.40)


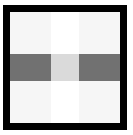
(−0.58, 0.11, 0.81)


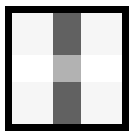
(−0.83, 0.53, −0.21)


(−0.90, −0.04, −0.44)

(−0.29, −0.55, −0.79)


(−0.12, −0.96, −0.24)


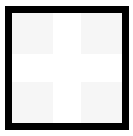
(−0.80, −0.41, 0.44)


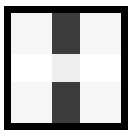
(−0.51, 0.84, 0.17)


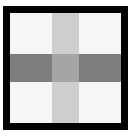
(−0.79, −0.16, 0.59)

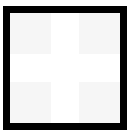
(−0.95, −0.24, 0.21)

(−0.23, 0.79, 0.57)

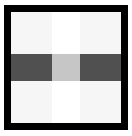
(−0.02, 0.19, 0.98)


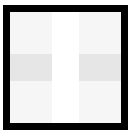
(−0.22, −0.96, 0.19)


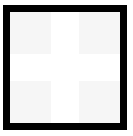
(−0.77, −0.61, 0.18)


(−0.16, −0.36, −0.92)


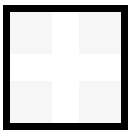
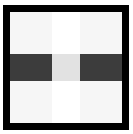
(−0.15, −0.74, 0.66)

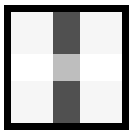
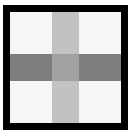
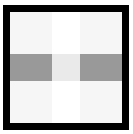
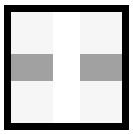
(−0.89, 0.42, 0.19)


(−0.56, −0.24, 0.79)


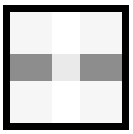
(−0.38, −0.15, −0.91)


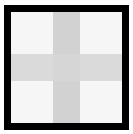
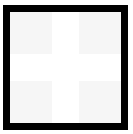
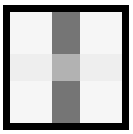
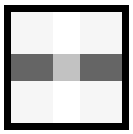
(−0.31, 0.20, 0.93)

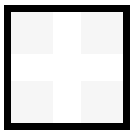
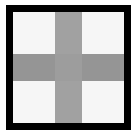
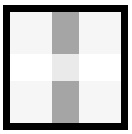
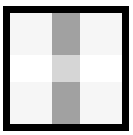
(−0.33, 0.14, −0.93)

(−0.96, 0.27, −0.04)

(−0.96, −0.21, −0.19)

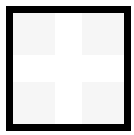
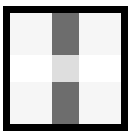
(−0.45, −0.89, 0.06)

(−0.77, −0.63, −0.08)

(−0.71, 0.41, 0.57)

(−0.69, −0.03, −0.72)

(−0.68, 0.53, −0.50)

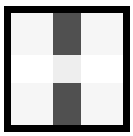
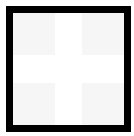
(−0.14, 0.73, −0.67)

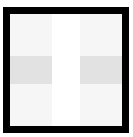
(−0.74, −0.39, −0.54)

(−0.10, −0.83, −0.55)

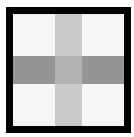
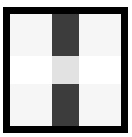
(−0.58, −0.60, 0.55)

(−0.09, 0.34, −0.94)

(−0.55, 0.80, −0.25)

(−0.84, −0.46, −0.29)

(−0.36, −0.57, 0.74)

(−0.18, −0.40, 0.90)

(−0.72, 0.70, −0.00)

(−0.43, 0.69, −0.58)

(−0.50, 0.69, 0.52)

(−0.17, 0.51, 0.84)

(−0.46, 0.43, 0.78)

(−0.38, −0.81, 0.44)

(−0.71, 0.25, −0.65)

(−0.26, 0.89, −0.38)

(0.00, −0.08, 1.00)

(−0.04, −0.90, 0.42)

(−0.57, −0.31, −0.76)

(−0.28, −0.15, 0.95)

(−0.72, 0.61, 0.33)

(−0.27, 0.96, −0.08)


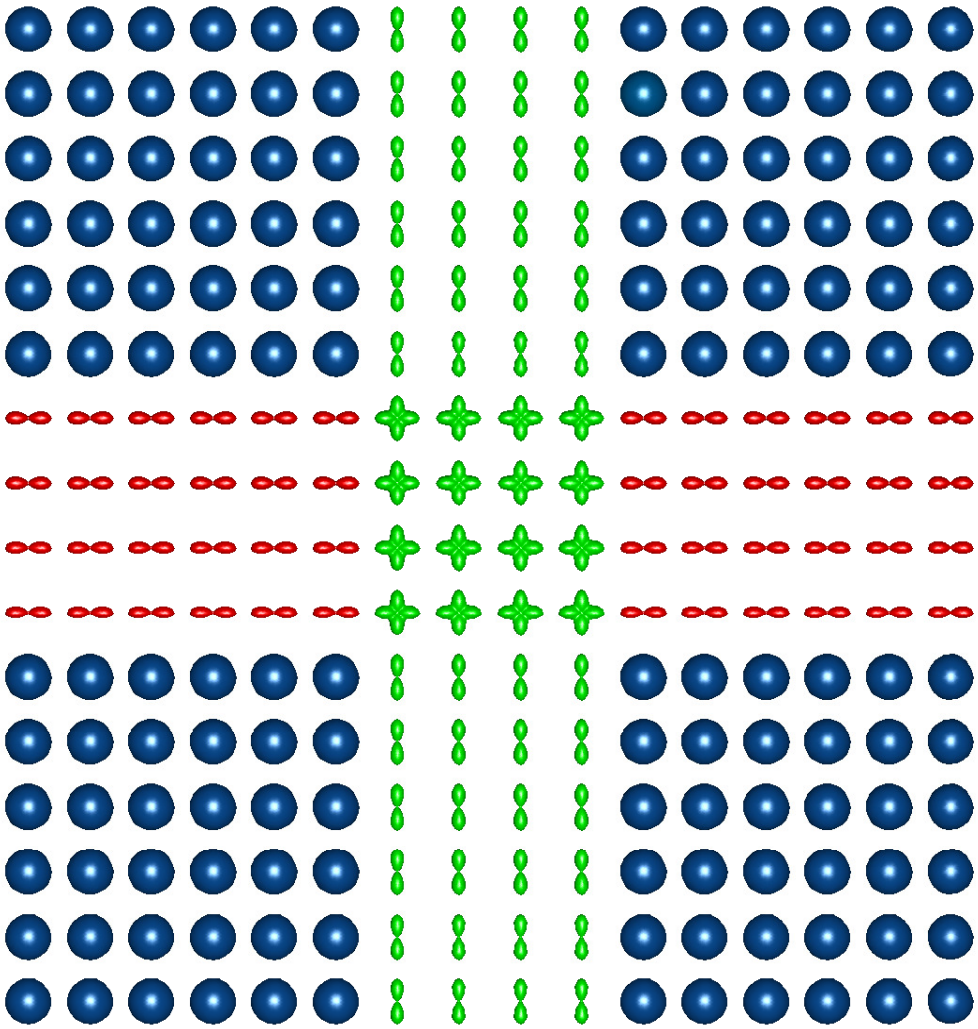
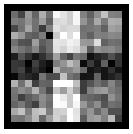
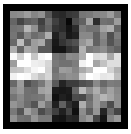
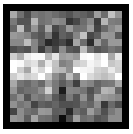
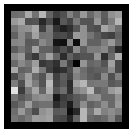
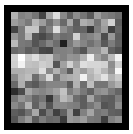
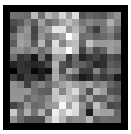
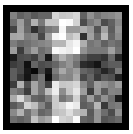
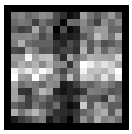
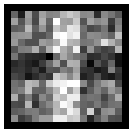
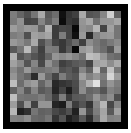
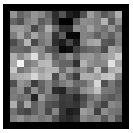
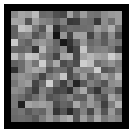


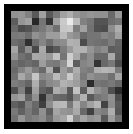
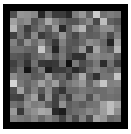
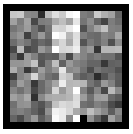
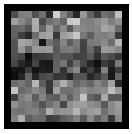
Figure 1: Clean ODFs

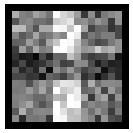
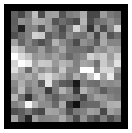
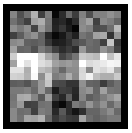
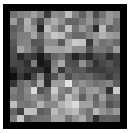
2 Noisy DWI (b-value=1500, SNR=10)

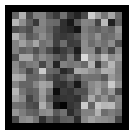
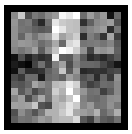
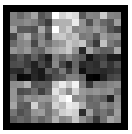
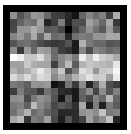
(–1.00, –0.01, 0.01)

(–0.00, –1.00, –0.00)

(–0.02, –0.65, –0.76)

(–0.59, –0.77, 0.25)


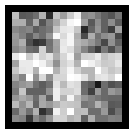
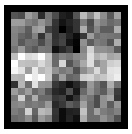
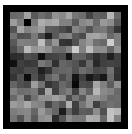
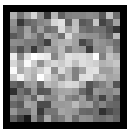
(–0.24, 0.53, –0.82)

(–0.89, 0.26, –0.36)

(–0.80, 0.13, 0.59)

(–0.23, 0.93, 0.28)


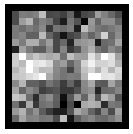
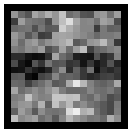
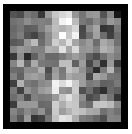
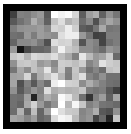
(–0.94, 0.15, 0.32)

(–0.50, –0.85, –0.17)

(–0.35, –0.85, –0.40)

(–0.46, –0.64, –0.62)


(–0.49, 0.39, –0.78)

(–0.62, –0.68, –0.40)

(–0.58, 0.11, 0.81)

(–0.83, 0.53, –0.21)


(–0.90, –0.04, –0.44)

(–0.29, –0.55, –0.79)

(–0.12, –0.96, –0.24)

(–0.80, –0.41, 0.44)


(–0.51, 0.84, 0.17)

(–0.79, –0.16, 0.59)

(–0.95, –0.24, 0.21)

(–0.23, 0.79, 0.57)


(–0.02, 0.19, 0.98)

(–0.22, –0.96, 0.19)

(–0.77, –0.61, 0.18)

(–0.16, –0.36, –0.92)


(–0.15, –0.74, 0.66)

(–0.89, 0.42, 0.19)

(–0.56, –0.24, 0.79)

(–0.38, –0.15, –0.91)


(−0.31, 0.20, 0.93) (−0.33, 0.14, −0.93) (−0.96, 0.27, −0.04) (−0.96, −0.21, −0.19)

(−0.45, −0.89, 0.06) (−0.77, −0.63, −0.08) (−0.71, 0.41, 0.57) (−0.69, −0.03, −0.72)

(−0.68, 0.53, −0.50) (−0.14, 0.73, −0.67) (−0.74, −0.39, −0.54) (−0.10, −0.83, −0.55)

(−0.58, −0.60, 0.55) (−0.09, 0.34, −0.94) (−0.55, 0.80, −0.25) (−0.84, −0.46, −0.29)

(−0.36, −0.57, 0.74) (−0.18, −0.40, 0.90) (−0.72, 0.70, −0.00) (−0.43, 0.69, −0.58)

(−0.50, 0.69, 0.52) (−0.17, 0.51, 0.84) (−0.46, 0.43, 0.78) (−0.38, −0.81, 0.44)

(−0.71, 0.25, −0.65) (−0.26, 0.89, −0.38) (0.00, −0.08, 1.00) (−0.04, −0.90, 0.42)

(−0.57, −0.31, −0.76) (−0.28, −0.15, 0.95) (−0.72, 0.61, 0.33) (−0.27, 0.96, −0.08)

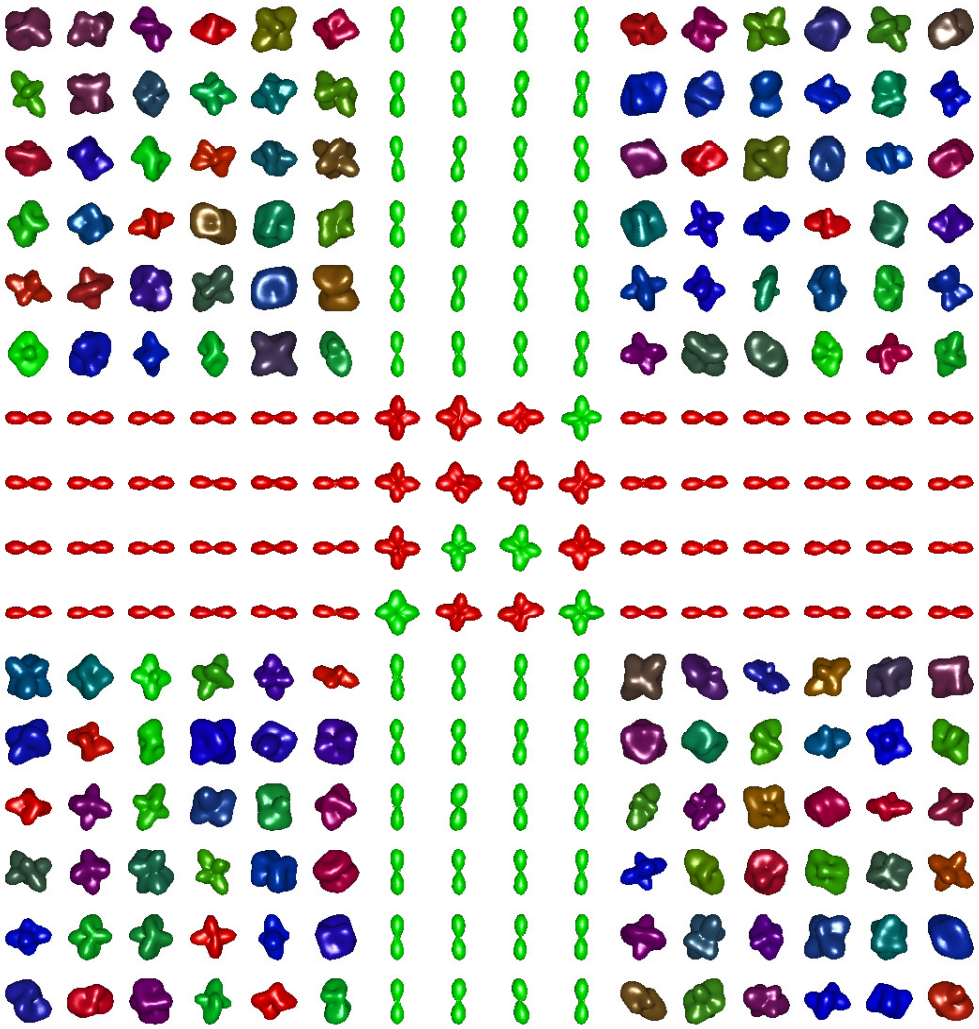


Figure 2: Noisy ODFs