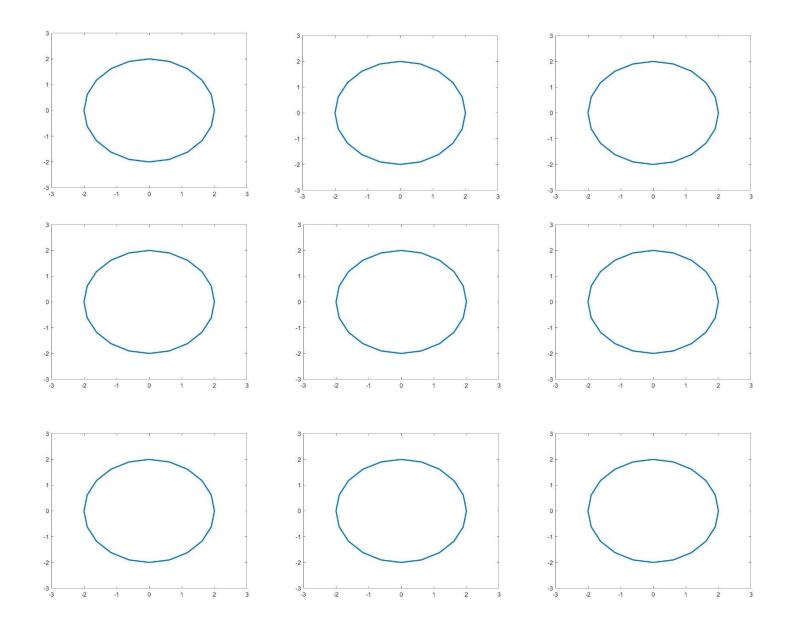
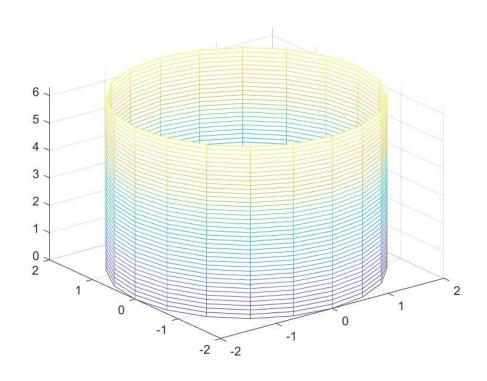
13주차

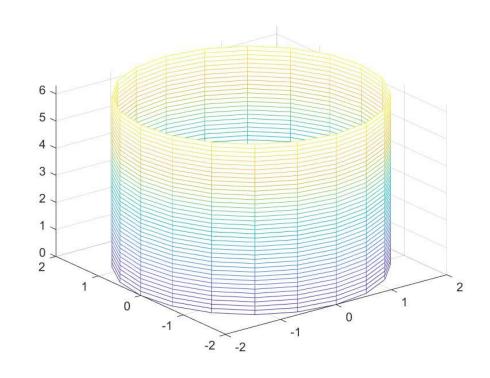
2차원 횡단면의 3차원 복원13. 다양한 도형에 적용 및 오차분석

Department of Mathematics Gyeongsang National University Group 3

원기둥

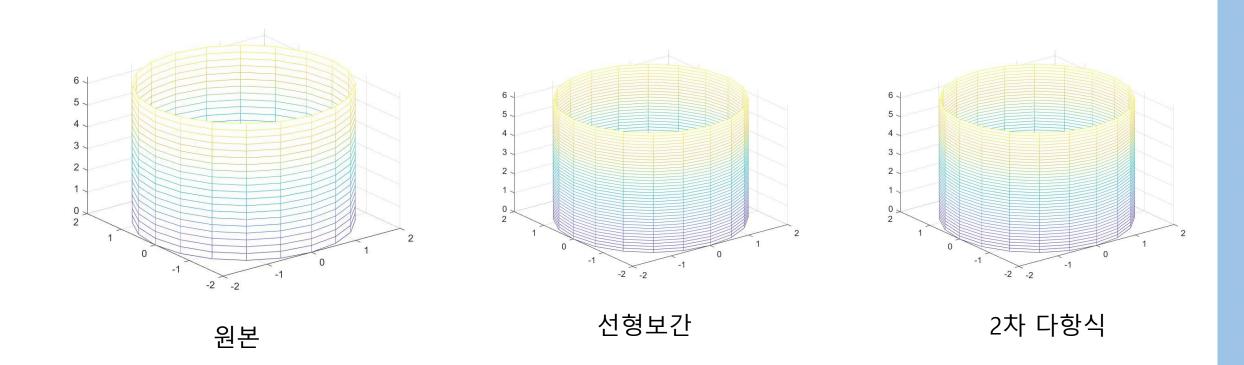






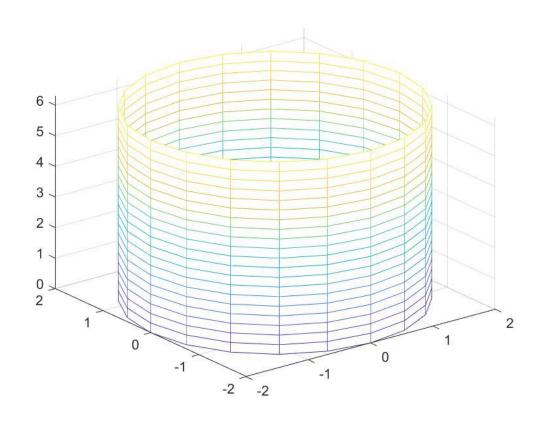
원본

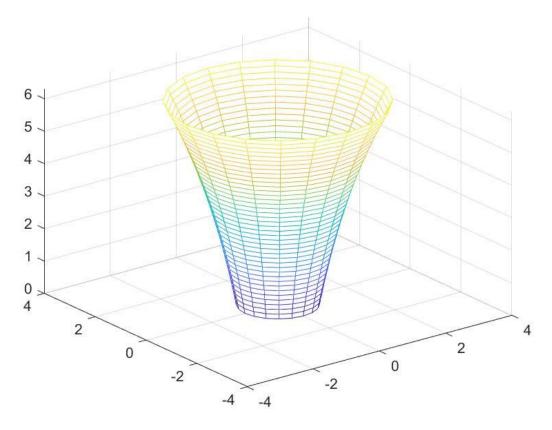
보간 결과



선형 보간과 2차 보간의 결과가 같으므로 더 이상의 차수는 무의미해 진행하지 않음.

최소자승법: $y = e^{ax}$

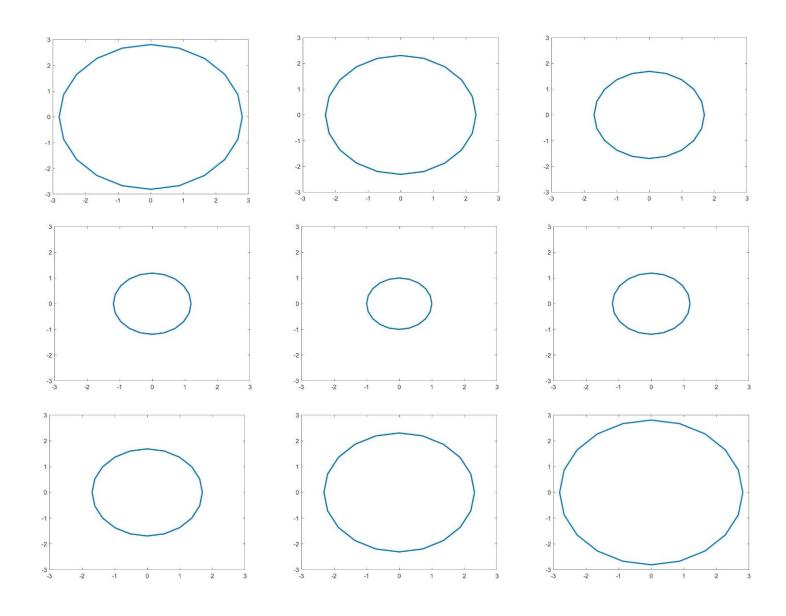


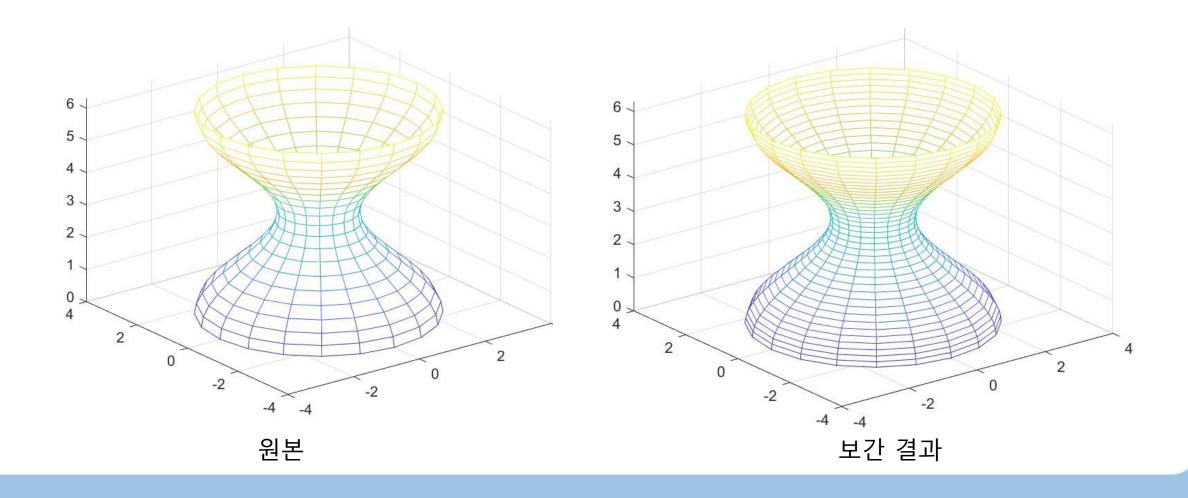


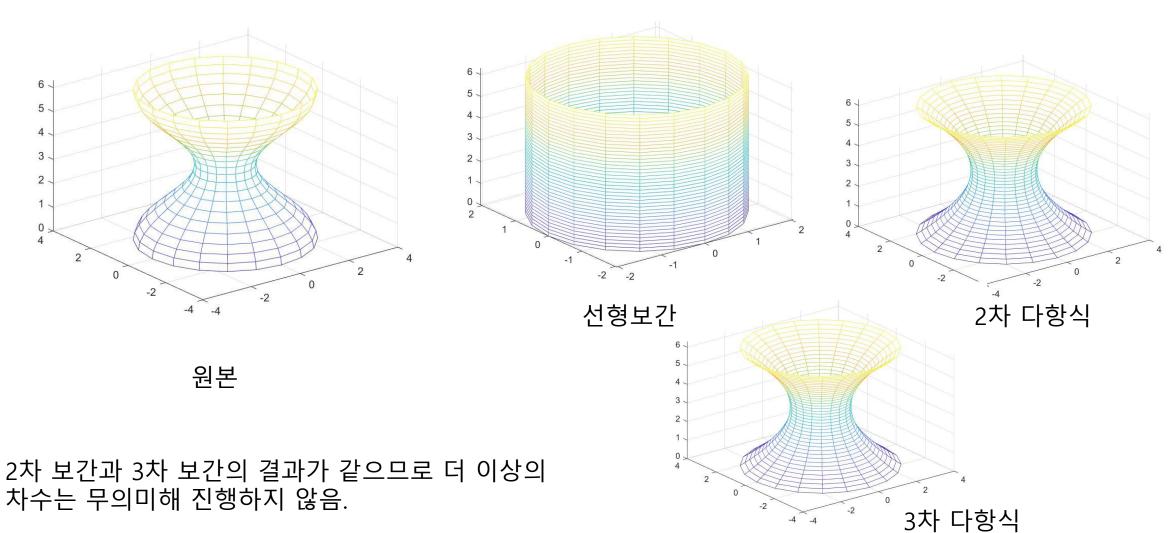
원본

보간 결과

변형된 원기둥

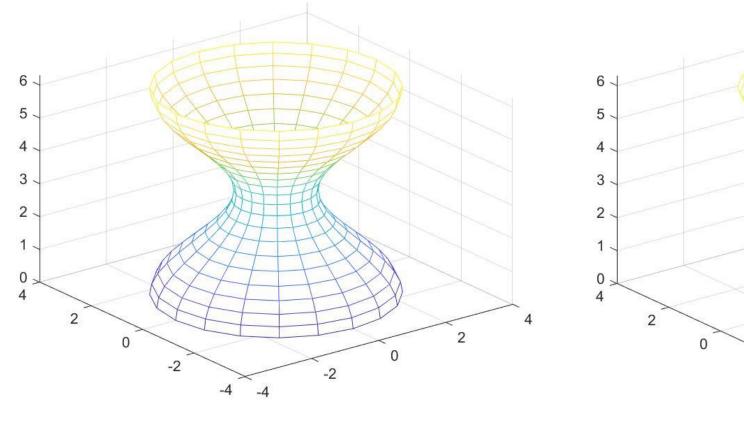


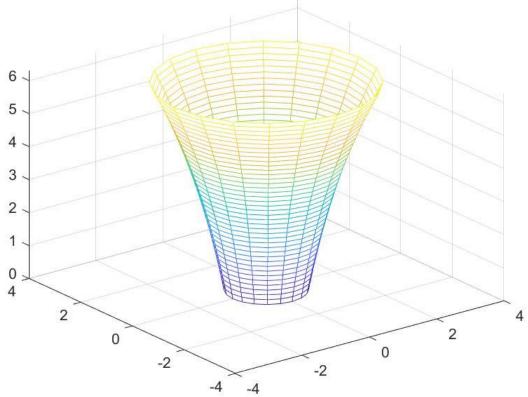




최소자승법: $y = e^{ax}$

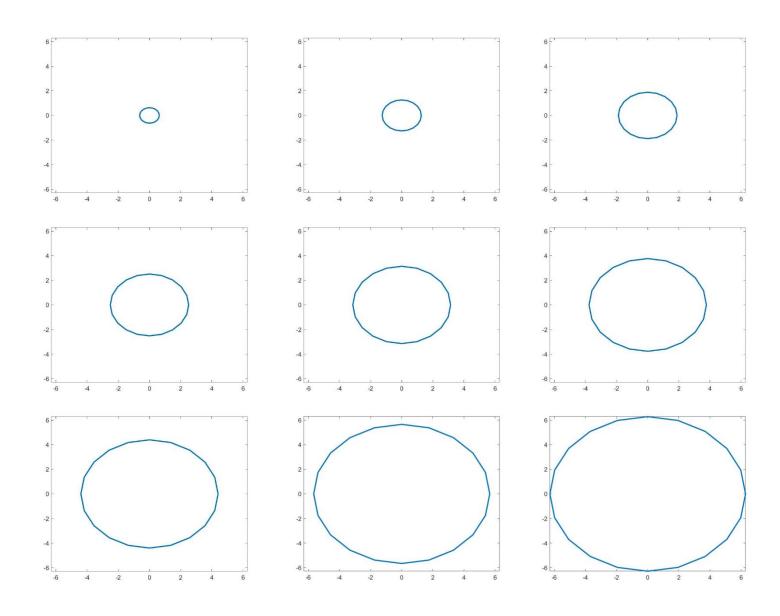
원본

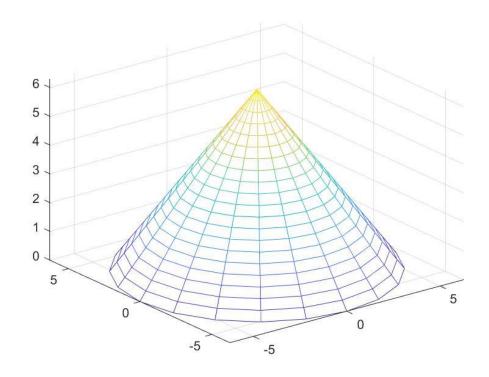


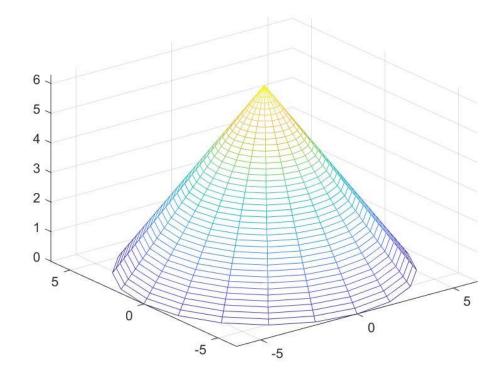


보간 결과

원뿔

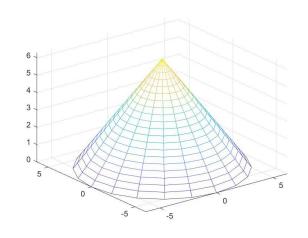


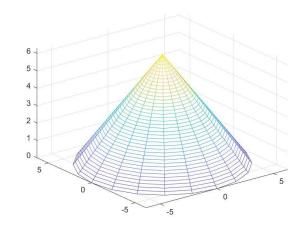


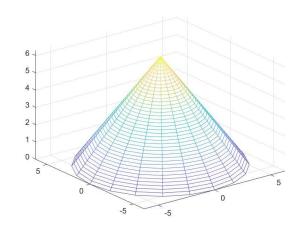


원본

보간 결과







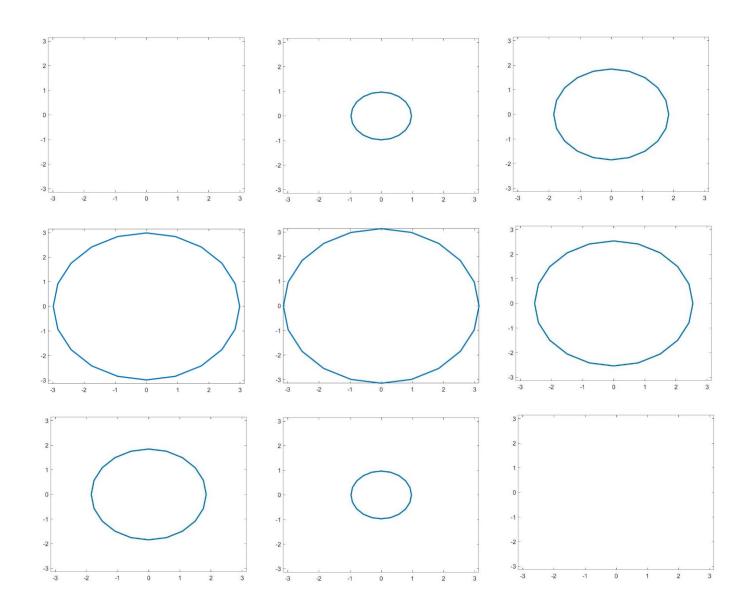
원본

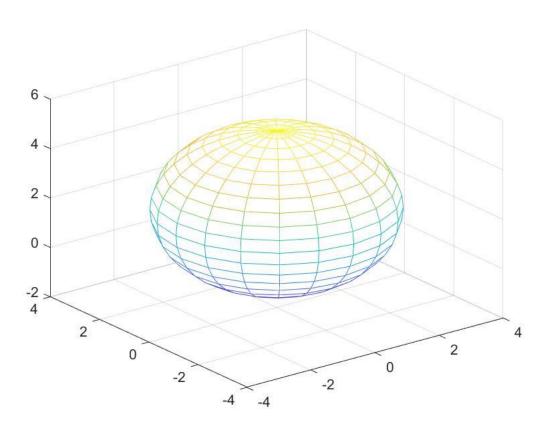
선형보간

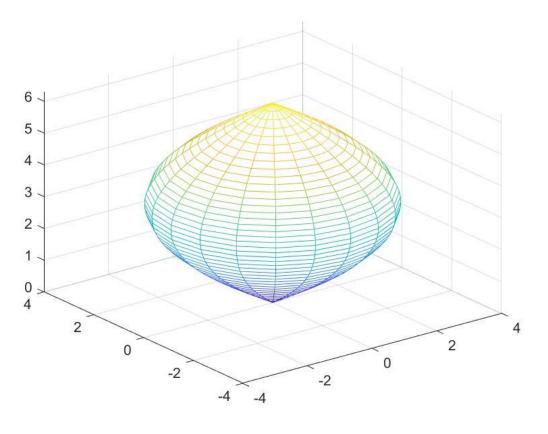
2차 다항식

선형 보간과 2차 보간의 결과가 같으므로 더 이상의 차수는 무의미해 진행하지 않음.



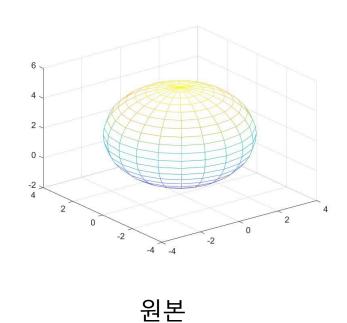




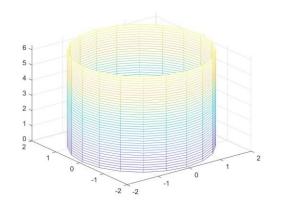


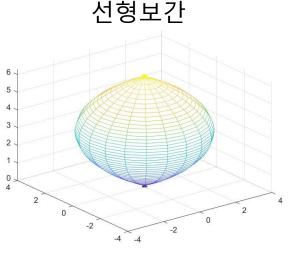
원본

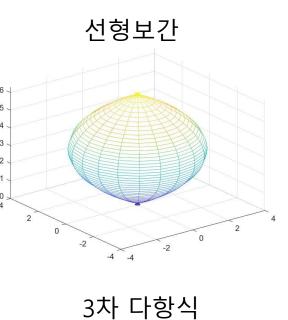
보간 결과

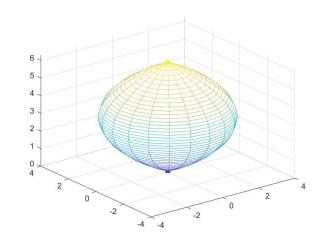


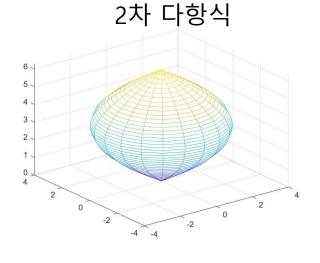
고차 다항식의 계수가 다 같게 나오지 는 않으나 더 이상의 고차 다항식은 무 의미해 보인다.











4차 다항식

Thank you!