

# Taken from Tobias Buck PhD thesis

Disc galaxy NGC891 viewed edge-on. **Figure credit:** Composite Image Data - Subaru Telescope (NAOJ), Hubble Legacy Archive, Michael Jøner, David Laney (West Mountain Observatory, BYU); Processing - Robert Gendler<sup>7</sup>

Interacting grand design spiral galaxy M51 (Whirlpool galaxy). **Figure credit:** SDSS<sup>8</sup>

Pinwheel galaxy, M101, with prominent dust lanes. **Figure credit:** ESA & NASA<sup>9</sup>

The Spindle Galaxy, M102, with a prominent dust lane and bright stellar halo. **Figure credit:** NASA, ESA and the Hubble Heritage Team (STScI/AURA)<sup>10</sup>

Barred spiral galaxy NGC5162. **Figure credit:** SDSS<sup>11</sup>

Spiral galaxy NGC3184. **Figure credit:** SDSS<sup>12</sup>

Spiral galaxy NGC4634. **Figure credit:** ESA/Hubble & NASA<sup>13</sup>

Spiral galaxy M74 in face-on view. **Figure credit:** Gemini Observatory, GMOS Team<sup>14</sup>

Spiral galaxy NGC4565 in edge-on view with a prominent boxy bulge component but almost no stellar halo. **Figure credit:** Acquisition - Torsten Grossmann, Processing - Dietmar Hager<sup>15</sup>

Simulated disc galaxy viewed edge-on.

Simulated interacting grand design spiral galaxy resembling Messier 51 (Whirlpool galaxy).

Simulated spiral galaxy with prominent dust lanes.

Simulated spiral galaxy in edge-on view with a prominent bulge component and stellar halo.

Simulated barred spiral galaxy.

Simulated spiral galaxy in face-on view.

Simulated spiral galaxy in edge-on view with small bulge.

Simulated spiral galaxy in face-on view.

Simulated spiral galaxy in edge-on view with a prominent boxy bulge component.