ADDRZEJ KARCHISKI

(1) 
$$x^2 a^2 + x a + u = x$$
  $u(x_1) = 2$   $u(x_2) = 0$   $x_0 = 1$ 

$$u'(x_1) = \frac{u(x_1 a_1) - 2u(x_1) + u(x_1 a_2)}{2h}$$

$$u''(x_1) = \frac{u(x_1 a_2) - 2u(x_1) + u(x_1 a_2)}{h^2}$$

$$x^2 \cdot \frac{u(x_1 a_2) - 2u(x_1) + u(x_1 a_2)}{h^2} + u(x_1) \cdot \frac{1}{h^2} + \frac{1}{h^2} + u(x_1 a_2) \cdot \frac{1}{h^2} - \frac{1}{h^2} = x_1$$

$$u(x_1 a_2) \cdot \left[ \frac{x_1^2}{h^2} + \frac{x_2}{h^2} \right] + u(x_1) \cdot \left[ \frac{x_1^2}{h^2} + \frac{1}{h^2} \right] + u(x_1 a_2) \cdot \left[ \frac{x_1^2}{h^2} + \frac{x_2^2}{h^2} + \frac{1}{h^2} \right] = x_1$$

$$u(x_1 a_2) \cdot \left[ \frac{x_1^2}{h^2} + \frac{x_2^2}{h^2} \right] + u(x_1) \cdot \left[ \frac{x_1^2}{h^2} + \frac{1}{h^2} \right] = x_1 + \frac{x_1^2}{h^2}$$

$$u(x_1 a_2) \cdot \left[ \frac{x_1^2}{h^2} + \frac{x_2^2}{h^2} + \frac{1}{h^2} \right] + u(x_1) \cdot \left[ \frac{x_1^2}{h^2} + \frac{1}{h^2} \right] = x_1 + \frac{x_1^2}{h^2}$$

$$u(x_1 a_2) \cdot \left[ \frac{x_1^2}{h^2} + \frac{x_2^2}{h^2} + \frac{1}{h^2} + \frac{x_1^2}{h^2} + \frac{x_1^2}{h^2} \right] = x_1$$

$$u(x_1 a_1) \cdot \left[ \frac{x_1^2}{h^2} + \frac{x_1^2}{h^2} + u(x_1) - \frac{x_1^2}{h^2} + \frac{x_1^2}{h^2} \right] = x_1 + \frac{x_1^2}{h^2}$$

$$u(x_1 a_2) \cdot \left[ \frac{x_1^2}{h^2} + \frac{x_1^2}{h^2} + \frac{x_1^2}{h^2} + \frac{x_1^2}{h^2} + \frac{x_1^2}{h^2} + \frac{x_1^2}{h^2} \right] = x_1$$

$$u(x_1 a_2) \cdot \left[ \frac{x_1^2}{h^2} + \frac{x_1^2}{h^2} + \frac{x_1^2}{h^2} + \frac{x_1^2}{h^2} + \frac{x_1^2}{h^2} + \frac{x_1^2}{h^2} + \frac{x_1^2}{h^2} \right] = x_1$$

$$u(x_1 a_2) \cdot \left[ \frac{x_1^2}{h^2} + \frac$$