



ƉƎƉ, Ɖ^{1/4}Ɖ, Ñ†ƉμÑ•Ɖ°Ɖ, Ɖμ ƉϕƉμÑ...Ɖ^{1/2}Ɖ^{3/4}Ɖ»Ɖ^{3/4}Ɖ³Ɖ, Ɖ,

ƉƎƉ, Ɖ^{1/4}Ɖ, Ñ†ƉμÑ•Ɖ°Ɖ, Ɖμ ƉϕƉμÑ...Ɖ^{1/2}Ɖ^{3/4}Ɖ»Ɖ^{3/4}Ɖ³Ɖ, Ɖ,

ı»žı»ž

Ɖ—Ɖ°Ɖ´Ɖ°Ñ†Ɖ° 7-1

(ƉžƉ±Ɖ^{3/4}Ñ€ÑƒƉ´Ɖ^{3/4}Ɖ²Ɖ°Ɖ^{1/2}Ɖ, Ɖμ Ɖ´Ɖ»Ñ•
Ɖ^{1/2}ƉμÑ,,Ñ,)

ρÑƒƉ± 80



Ɖ—Ɖ°Ɖ´Ɖ°Ñ†Ɖ° 7.1 Ɖ•Ɖ^{1/4}Ɖ°Ɖ^{3/4}Ñ•Ñ,ÑƒƉƉ^{3/4}Ñ€Ɖ, Ɖ•Ɖ^{3/4}Ñ€Ɖ, Ɖ•Ɖ^{3/4}Ɖ^{1/2}Ñ,Ɖ°Ɖ»ÑƒƉƉ^{1/2}Ɖ°Ñ•
Ñ†Ɖ, Ɖ»Ɖ, Ɖ^{1/2}Ɖ´Ñ€Ɖ, Ñ†ƉμÑ•Ɖ°Ɖ°Ñ• Ñ• ƉžƉ^{3/4}Ɖ»ÑƒƉÑ•Ñ,,ƉμÑ€Ɖ, Ñ†ƉμÑ•Ɖ°Ɖ, Ɖ^{1/4}Ɖ, Ɖ´Ɖ^{1/2}Ɖ, Ñ%Ɖ°Ɖ^{1/4}Ɖ, Ɖ,
Ɖ^{3/4}Ɖ±ÑŠƉμƉ^{1/4}Ɖ^{3/4}Ɖ^{1/4} V = 25 Å± 0,2 Ɖ^{1/4} Ñ• Ɖ^{1/2}Ɖ^{3/4}Ñ€Ɖ^{1/4}Ɖ^{3/4}Ɖ¹ Ɖ^{1/2}Ɖ°ƉžƉ^{3/4}Ɖ»Ɖ^{1/2}ƉμƉ^{1/2}Ɖ,Ñ•
ƉžƉÑ€Ɖ^{3/4}ƉžƉ°Ɖ^{1/2}Ɖ^{3/4}Ɖ^{1/4} Ɖ_i = 10700 Å± 53 Ɖ°Ɖ³ Ɖ, Ñ€Ɖ°Ñ•Ñ†ƉμÑ,Ɖ^{1/2}Ɖ^{3/4}Ɖ¹ Ñ,ƉμƉ^{1/4}ƉžƉμÑ€Ɖ°Ñ,ÑƒƉÑ€Ɖ^{3/4}Ɖ¹ Ɖϕ =
328 Ɖš. ƉϕƉ^{3/4}Ɖ»Ñ%Ɖ,Ɖ^{1/2}Ɖ° Ñ•Ñ,ƉμƉ^{1/2}Ɖ°Ɖ, ƉμƉ^{1/4}Ɖ°Ɖ^{3/4}Ñ•Ñ,Ɖ, 0,024 Ɖ^{1/4}; Ɖ°Ɖ^{3/4}Ñ•Ñ,,Ñ,Ɖ,Ñ†Ɖ,ƉμƉ^{1/2}Ñ,
Ɖ»Ɖ,Ɖ^{1/2}ƉμƉ¹Ɖ^{1/2}Ɖ^{3/4}Ɖ^{3/4} Ñ€Ɖ°Ñ•Ñ´Ɖ,Ñ€ƉμƉ^{1/2}Ɖ,Ñ• Ɖ^{1/4}ƉμÑ,Ɖ°Ɖ»Ɖ»Ɖ° Ɖ°Ɖ^{3/4}Ñ€ƉžƒÑ•Ɖ° Ɖ° = 12*10⁻⁶ 1/Ɖš;
Ɖ^{1/4}Ɖ^{3/4}Ɖ´ÑƒƉ»ÑƒƉ ÑƒƉžƒÑ€ÑƒƉ^{3/4}Ñ•Ñ,Ɖ, Ɖ^{1/4}ƉμÑ,Ɖ°Ɖ»Ɖ»Ɖ° Ɖ°Ɖ^{3/4}Ñ€ƉžƒÑƒƉ°Ɖ° Ɖ• = 2,2*10¹¹ ƉŸƉ°.
Ɖ•Ɖ±Ñ•Ɖ^{3/4}Ɖ»ÑžÑ,Ɖ^{1/2}Ɖ^{3/4}Ɖμ Ɖ´Ɖ°Ɖ²Ɖ»ƉμƉ^{1/2}Ɖμ Ɖ³Ɖ,Ɖ´Ñ€Ɖ°Ɖ²Ɖ»Ɖ,Ñ†ƉμÑ•Ɖ°Ɖ^{3/4}Ɖ^{3/4} Ɖ,Ñ•ƉžƒÑ•,Ɖ°Ɖ^{1/2}Ɖ,Ñ•
ƉμƉ^{1/4}Ɖ°Ɖ^{3/4}Ñ•Ñ,Ɖ, P =24*10⁵ ƉŸƉ°. Ɖ´Ɖ°Ɖ»Ɖ»Ɖ^{3/4}Ɖ^{1/2} Ɖ^{3/4}Ɖ±ÑŠƉμƉ^{1/4}Ɖ^{3/4}Ɖ^{1/4} 50 Ɖ» Ɖ³ Ɖ^{1/2}Ɖ^{3/4}Ñ€Ɖ^{1/4}Ɖ^{3/4}Ɖ¹
Ɖ^{1/2}Ɖ°ƉžƉ^{3/4}Ɖ»Ɖ^{1/2}ƉμƉ^{1/2}Ɖ,Ñ• ƉžƉÑ€Ɖ^{3/4}ƉžƉ°Ɖ^{1/2}Ɖ^{3/4}Ɖ^{1/4} Ɖ_i =21,5 Å± 0,26 Ɖ°Ɖ³ Ɖ, Ñ€Ɖ°Ñ•Ñ†ƉμÑ,Ɖ^{1/2}Ɖ^{3/4}Ɖ¹
Ñ,ƉμƉ^{1/4}ƉžƉμÑ€Ɖ°Ñ,ÑƒƉÑ€Ɖ^{3/4}Ɖ¹ Ɖϕ= 338 Ɖš. Ɖ°Ɖ,Ɖ°Ɖ^{1/4}ƉμÑ,Ñ€ Ɖ±Ɖ°Ɖ»Ɖ»Ɖ^{3/4}Ɖ^{1/2}Ɖ° D = 0,3 Ɖ^{1/4},
Ñ,Ɖ^{3/4}Ɖ»Ñ%Ɖ,Ɖ^{1/2}Ɖ° Ñ•Ñ,ƉμƉ^{1/2}Ɖ°Ɖ, 0,004 Ɖ^{1/4}, Ɖ^{1/4}Ɖ^{3/4}Ɖ´ÑƒƉ»ÑƒƉ ÑƒƉžƒÑ€ÑƒƉ^{3/4}Ñ•Ñ,Ɖ, Ɖ^{1/4}ƉμÑ,Ɖ°Ɖ»Ɖ»Ɖ°
Ɖ°Ɖ^{3/4}Ñ€ƉžƒÑƒƉ°Ɖ° Ɖ• = 2,2*10¹¹ ƉŸƉ° Ɖ, Ɖ°Ɖ^{3/4}Ñ•Ñ,,Ñ,Ɖ,Ñ†Ɖ,ƉμƉ^{1/2}Ñ, Ɖ»Ɖ,Ɖ^{1/2}ƉμƉ¹Ɖ^{1/2}Ɖ^{3/4}Ɖ^{3/4}
Ñ€Ɖ°Ñ•Ñ´Ɖ,Ñ€ƉμƉ^{1/2}Ɖ,Ñ• Ɖ^{1/4}ƉμÑ,Ɖ°Ɖ»Ɖ»Ɖ° a = 12*10⁻⁶ 1/Ɖš. Ɖ•Ɖ±Ñ•Ɖ^{3/4}Ɖ»ÑžÑ,Ɖ^{1/2}Ɖ^{3/4}Ɖμ Ɖ´Ɖ°Ɖ²Ɖ»ƉμƉ^{1/2}Ɖ,Ɖμ
Ɖ³Ɖ,Ɖ´Ñ€Ɖ°Ɖ²Ɖ»Ɖ,Ñ†ƉμÑ•Ɖ°Ɖ^{3/4}Ɖ^{3/4} Ɖ,Ñ•ƉžƒÑ•,Ɖ°Ɖ^{1/2}Ɖ,Ñ• Ɖ±Ɖ°Ɖ»Ɖ»Ɖ^{3/4}Ɖ^{1/2}Ɖ° Ñ€ = 26 ä€ 105 ƉŸƉ°.

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ĐŸĐ¼Đ»ŃfŃ†Đ,Ń,ŃCE Đ'Đ°Đ½Đ½ŃfŃŽ Đ·Đ°Đ'Đ°Ń†Ńf Đ²Đ¼Đ·Đ¼Đ¼Đ¶Đ½Đ¼ Đ½Đ°Đ¶Đ°Đ² Đ°Đ½Đ¼Đ¿Đ°Ńf "Đ°ŃfĐ¿Đ,Ń,ŃCE" Đ, Đ¿ĐŃĐ¼Đ¹Ń,Đ, Đ¿ĐŃĐ¼ĐŃ·Ń,ŃfŃŽ ŃĐĐĐ³Đ,Ń·Ń,ŃĐ°Ń†Đ,ŃŽ. Đ"Đ°Đ»ĐĐĐĐ Đ²Ń« Đ¿Đ¼Đ¿Đ°Đ'ĐĐŃ,ĐĐ Đ² Ń·ĐĐŃĐ²Đ,Ń· Đ¼Đ½-Đ»Đ°Đ¹Đ½, Đ³Đ'ĐĐ Đ²Đ°Đ¼ Đ±ŃfĐ'ĐĐŃ, Đ¿ĐŃĐĐĐ'Đ»Đ¼Đ¶ĐĐĐ½Đ¼ Đ²Ń«Đ±ŃĐ°Ń,ŃCE Ń·Đ¿Đ¼Ń·Đ¼Đ± Đ¼Đ¿Đ»Đ°Ń,Ń« Đ, Đ¼Đ¿Đ»Đ°Ń,Đ,Ń,ŃCE Đ·Đ°Đ°Đ°Đ. ĐŸĐ¼Ń·Đ»ĐĐ Đ¿Đ¼Đ'Ń,Đ²ĐĐŃĐ¶Đ'ĐĐ½Đ,Ń· Đ¼Đ¿Đ»Đ°Ń,Ń« Đ²Ń« Đ¿Đ¼Đ»ŃfŃ†Đ,Ń,ĐĐ Đ·Đ°Đ°Đ°Đ·Đ°Đ½Đ½ŃfŃŽ Đ·Đ°Đ'Đ°Ń†Ńf. Đ—Đ°Đ'Đ°Ń†Đ° Đ¿ĐŃĐĐŃ·Ń,Đ°Đ²Đ»ĐĐĐ½Đ° Đ²Đ²Đ,Đ'ĐĐ Ń·Đ°Đ°Đ½Đ¼Đ² Đ,Đ. Đ»Đ,Ń,ĐĐŃĐ°Ń,ŃfŃŃŃ« Đ' Ń·Đ»ŃfŃ†Đ°ĐĐ Đ²Đ¼Đ·Đ½Đ,Đ°Đ½Đ¼Đ²ĐĐĐ½Đ,Ń· Đ·Đ°Ń,ŃŃŃfĐ'Đ½ĐĐ½Đ,Đ¹ Ń·Đ¼Đ¼Ń,ŃĐĐ, ŃfŃ·Đ»Đ¼Đ²Đ,Ń· Đ¼Đ±Ń·Đ»ŃfĐ¶Đ,Đ²Đ°Đ½Đ,Ń· Đ, Đ½Ń,Đ¼ŃĐ¼Đ°Ń†Đ,ŃŽ Đ¼ Đ¿ĐŃĐ¼Đ'Đ°Đ²Ń†ĐĐ.

[Đ°Đ½Ń,Đ¼ŃĐ¼Đ°Ń†Đ,Ń·Đ¼ Đ¿ĐŃĐ¼Đ'Đ°Đ²Ń†ĐĐ](#)